



IDEAL FOR SPACE

PRODUCT CATALOG

Volume 8





Established since 1996

Company Information

TTF MARKETING HOLDINGS SDN. BHD. 199601053540 (407754-H) is a leading Racking Systems and Office Systems pioneer in Malaysia. In order to achieve world class standard of quality, we heavily invest into modern machineries and latest sophisticated technology.

Our full range product such as Light Duty Racking Systems, Medium Duty Racking Systems, Heavy Duty Racking Systems, Steel Platform, Mezzanine Floor, Selective Pallet Racking, Automated Storage & Retrieval System, Gondola Shelving and Office Systems to all the market segment such as industrial, warehouse, office, retail, hypermarket and residential use. With our dynamic strength and full coordination, **TTF GROUP** also introduce another added products named **KOMADA** Material Handling Equipment, **SAFER** Stainless Steel Convex Mirror, **IRON MAN** Pallet Mesh, **SHUTER MAN** Aluminium Ladder and **FiTO** Office Systems.

Our quality standard awarded ISO 9001 authentication certificate. We are confident that with our expertise, latest technology, research and development, we can fulfil our customer needs and requirement to continually improve the effectiveness of Quality Management Systems.



Johor Branch



Production Factory @ Rawang



Brand Mission

Creating innovative storage & retrieval solutions that are "effective & efficient".

Brand Vision

Everyone can afford our "effective & efficient" storage & retrieval solutions.

Brand Positioning

An innovative end-to-end storage & retrieval solution provider.

Brand Promise

Innovative storage & retrieval solutions that are "effective & efficient".

Brand Values

1. Solution-driven
2. Think innovatively
3. Ownership
4. Respect
5. Effective & Efficient

S.T.E.M Philosophy

Save Space, Time, Energy & Money.

Our production team ensures the highest level of quality control with the latest CAD application software for maximum safety. Recognizing the needs for reliable, efficient and cost-effective racking systems, **TTF Group** main objective is always focus on providing the ultimate service and product to both local and international client alike.

We constantly seek new and innovative design and technology to complement our present racking systems. Whether high-rise or multi-tier shelving or racking needs, **TTF** reputation as the market leader for material handling in Malaysia is well known. We understand the need to always be adaptable to current global and business challenges.

Aware of the need for maximum safety in storage and racking systems, **TTF** utilizes state-of-the-art robotic welding systems to ensure lifetime durability in all storage design applications. Our roll forming facility is complemented by state-of-the-art modern mould making machines, stamping machines and the latest epoxy powder coating technology for long-lasting durability and toughness. All racking and storage systems can be color-coded according to specific storage applications.

We use ultra-modern panel sawing machines to enhance accuracy and quality to cut plywood and HDF board. After the elaborate fabricating process, our qualified installation team will finalize the construction process that will ensure a smooth and effective system required by our client's warehouse and logistics solution needs.



As an endorsement of our product quality and accredited with ISO 9001:2000 status, we annually subject our products to a stringent SIRIM QAS compression test. All our racking shelves were subjected through extreme load tests and was given the highest SIRIM approval ratings. We are proud to say that our products are next to none in the competitive industry of racking systems.



ISO 9001:2015 Intertek Standards



ISO 9001:2015 Intertek UKAS Management System

ISO 9001:2015 Quality Management System

Towards better commitment to continue improvement and recognition to be high quality products for our customers. We had been officially accredited with ISO 9001:2000 certificate in year 2005.

FIRA British Standard

TTF status is the leading producer of high-quality racking system. A further booster when it was confirmed and awarded the industry's highest certificate. The FIRA awarded to TTF MARKETING HOLDINGS SDN. BHD. (407754-H) on propelling itself as the industry leader in the region.



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Star
the business daily

SMEBIZ MONDAY 9 MAY 2016

talking about 9

EVEN as manufacturers move their production plants overseas to China and Vietnam, they still need to ship their products back. And they would require proper warehousing and logistical management systems to help with the distribution to local and overseas markets.

This means Malaysia has the potential to become a big logistics centre in the future, says Vincent Ng, marketing director of TTF Marketing Holdings, a company with more than 20 years of experience in the storage and racking systems industry.

"The increase in trade development initiatives in the country promises good growth potential in the sector, stresses Ng.

"Therefore, the storage and racking systems industry will still be growing," he says, adding that rising land prices ensure that space-saving solutions remain relevant, if not crucial.

TTF is one of the leading manufacturers and pioneer suppliers of storage systems in the country.

According to Ng, the company has 30% of the market share and is working towards penetrating selected hypermarkets within the year.

"We are targeting to be listed on Bursa Malaysia's Main Board in five year's time," adds Ng.

In the beginning, the company focused solely on storage and racking systems, but now it offers a wider range of products, including material handling equipment and retail and office furniture, to cater to market demands.

Space \$aving solutions

Rising land prices, coupled with growth in the logistics industry, mean that storage and space-saving solutions will continue to be in demand, says TTF Marketing Holdings reports.

The products that TTF offers, including its light-duty rack system, medium-duty rack system, heavy-duty rack system and mezzanine system, is ideal for maximising space usage. Additionally, the company offers a variety of storage boxes and containers, not to mention retail-related equipment like shopping baskets, gondola shelving and trolleys.

Their Komada material handling equipment makes it convenient to move goods around, while the F10 Office Concept offers all kinds of office furniture.

"From display racks and material handling equipment to steel platforms and furniture, we have them at our showroom."

"Customers just have to make one step to sort out the layout for their premises, be it for industrial, office, retail or residential purposes," says Ng.

He stresses that the company is committed to producing trusted and reliable products, and they assure this by putting them through rigorous Six Sigma QMS certification tests.

"When our shelving product



Ng showing off the multi-level boxes at TTF's showroom in Kajang.

claims to support up to 100kg, the claim is backed by SIRM certification.

"To offer customers quality and innovative products, we invest in the latest production machines and quality control, not foregoing product safety too.

"Our products comply with

international design standards and requirements to ensure the highest safety standards," says Ng, pointing out that its quality management system was presented with the ISO 9001:2008 certification certificate last year.

The company's motto is "ideal for space", and their aim is to

help save costs by providing innovative solutions to problems related to storage and space.

"For example, when you're building a new factory, there is a need for increased production, which means you need to expand the factory.

"But purchasing another piece of industrial land to build a factory is extremely expensive.

"This is where we come into the picture, by providing solutions that will help lower their expansion costs by maximising space," says Ng.

The price of industrial land has risen from RM18 to RM200 per sq ft in the last 20 years back when the company first started.

"Our customers will visit the site to understand the customer's needs before coming out with a floor plan drawing indicating the necessary materials and costs.

"Upon confirmation, production and installation can be done within a month's time," explains Ng.

For more information on the company, you can visit www.ttf.com.my

TTF won numerous award and recognition throughout the year, TTF has dedicated its growth and success from contribution of our innovative development team and continuous support of our valued customers.



Product Excellence Awards 2016
SME Platinum Business Awards



Excellent Eagle 2016
Nanyang Golden Eagle Awards



Product and Service Excellence Awards 2016
Sin Chew Business Excellent Awards



Most Influential Awards 2016 - 2017
Asia Pacific Golden Crown Awards



Majlis Anugerah Majikan Terbaik KWSP Selangor 2017



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Computer-Aided Design (CAD) and Computer-Aided Engineering (CAE)

TTF stresses on high quality product and services to our customer. In the design and analysis process, high quality control and analysis is placed in the company's design and production. TTF invested a large capital stressing on CAD/CAE software to ensure the quality and continual improvement of the product.

Computer Modeling

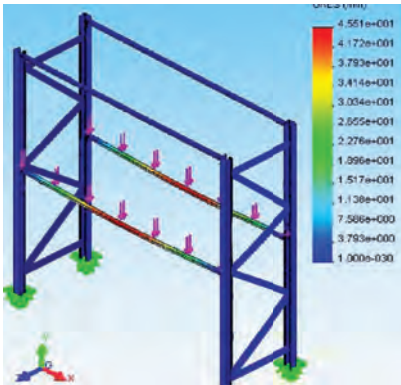
TTF incorporates 3D modeling CAD for design and modeling capacity, reduces error in design and is easier to market. Also, this ensure the accuracy and quality in TTF's products.

Computer Analysis

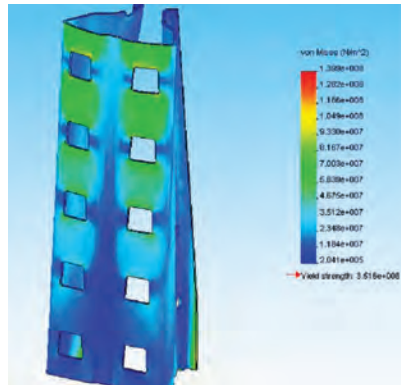
To ensure the quality of the products, TTF uses state-of-the-art computer-aided engineering (CAE) CosmosWorks to perform simulation and structural analysis. CosmosWorks incorporates the technology finite element analysis to study the factor of safety, deflection for the structure. Generally, finite element analysis is a method of simulating physical systems, in the area of :

- Static structural mechanics
- Motion kinematics and kinetics
- Heat dynamics
- Fluid dynamics
- Buckling analysis
- Frequency analysis
- Design optimization

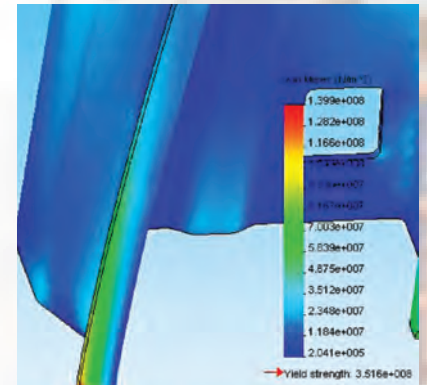
Finite element analysis breaks down the model into millions of discrete elements, and then performs calculation on each element to provide a fairly accurate simulation and forecast of the design done. The analysis is done with accurate moulding of the parts and assembly, and the loaded with the working load on the beams. Actual testing is done to validate against the analysis, and the result are found to be within 10% accuracy. The finite element analysis tool aids TTF are accurately stimulate and predict every design. The result is provides a quality product to our customers.



Racking design analysis done in finite element analysis to analyse the loading on the beams.

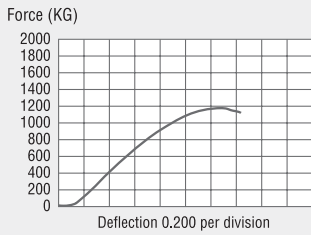


Finite element analysis done on the racking system to ensure the safety and quality of the product.

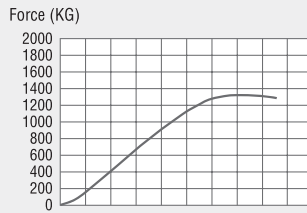


Product Compression Test

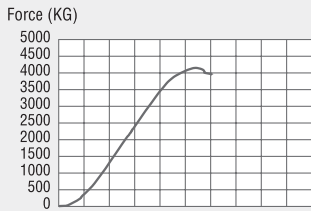
- Compression Test Adoption to ASTM D642



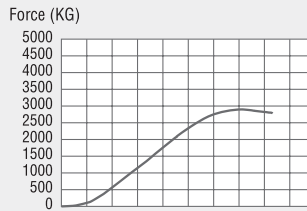
Product : Boltless Rack
 Size : 72"H x 24"D x 48"L
 Report No. : 2003MA0257
 Peak Force : 1188.8kg
 Deflection : 12.4mm



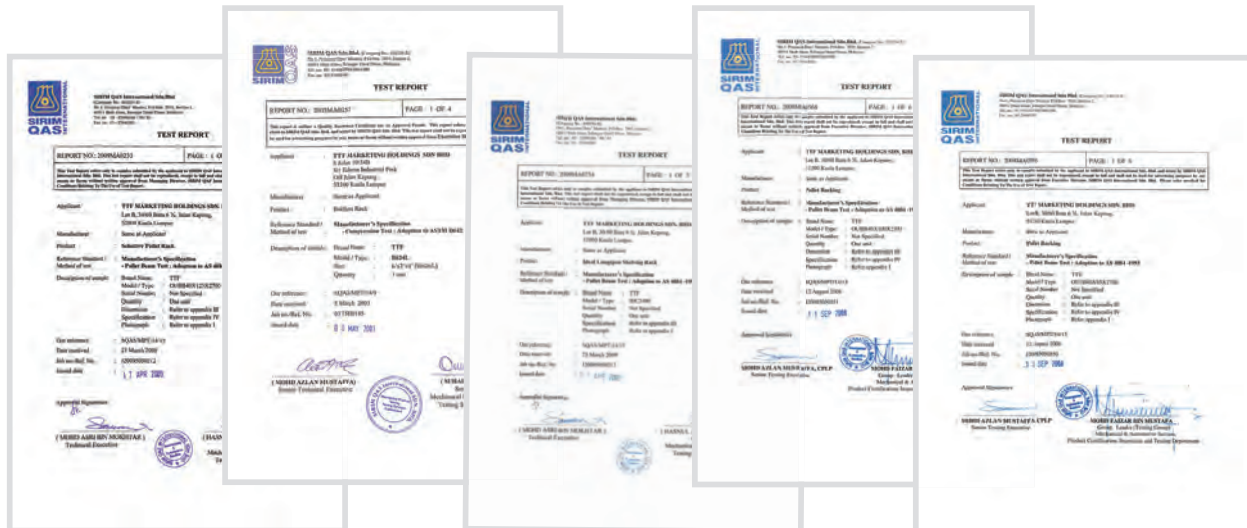
Product : Longspan Shelving Rack
 Size : 72"H x 24"D x 96"L
 Report No. : 2003MA0258
 Peak Force : 1326.3kg
 Deflection : 35.5mm



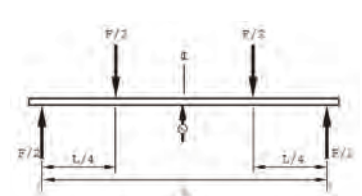
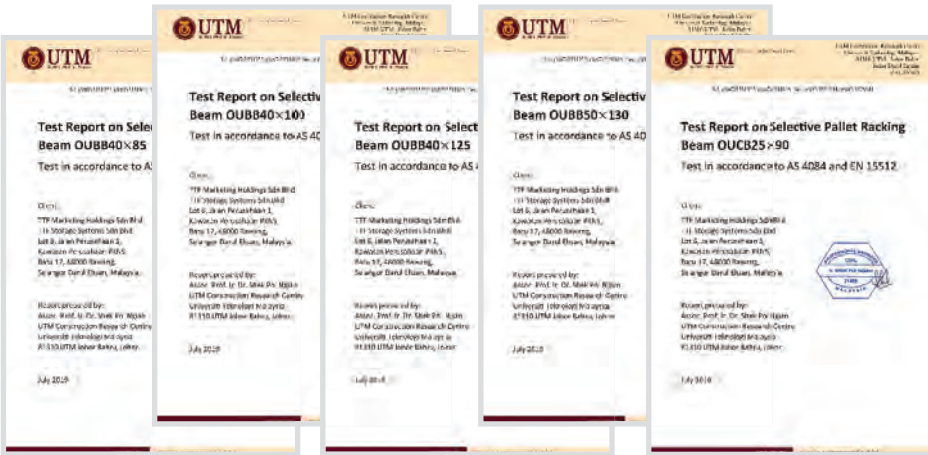
Product : Selective Pallet Rack
 Size : 1800H x 900D x 2446L (mm)
 Report No. : 2003MA0259
 Peak Force : 4159.6kg
 Deflection : 27.1mm



Product : Heavy Duty Shelving Rack
 Size : 1800H x 900D x 2446L (mm)
 Report No. : 2003MA0260
 Peak Force : 2899.3kg
 Deflection : 35.6mm



UTM Test Report (product compression test) - Compression Test Adoption to AS 4084 and EN 15512



Box Beam Test



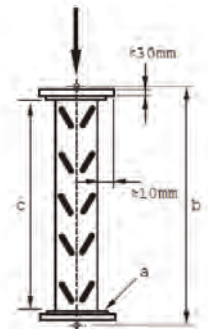
Box Beam OUBB 40 x 85



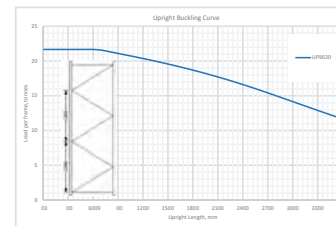
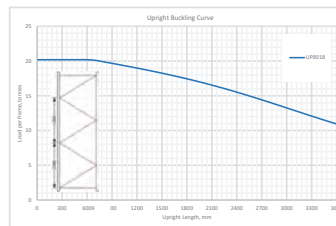
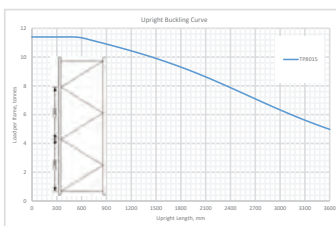
Box Beam OUBB 40 x 125



Box Beam OUBB 50 x 130



Upright Post Test



Test in accordance Australian Standard AS 4084 and European Standard EN 15512

At **TTF** we work closely with our customers and together work on our design standards to ensure maximum safety and effectiveness. Products from **TTF** complies with international design standards and requirement such as :

- Australian cold formed structures code (AS 1538-1998)
- Australian standard for steel storage racking (AS 4084-2012)
- RMI 1980 industrial steel storage racks.
- British standards 5950 PT5 1985 code of practice for the design of cold rolled section in steel.

Australian Standard®

**Steel Storage Racking
AS 4084-2012**

Australian Standard®

**Steel Storage Racking
Commentary Supplement
to AS 4084-2012**

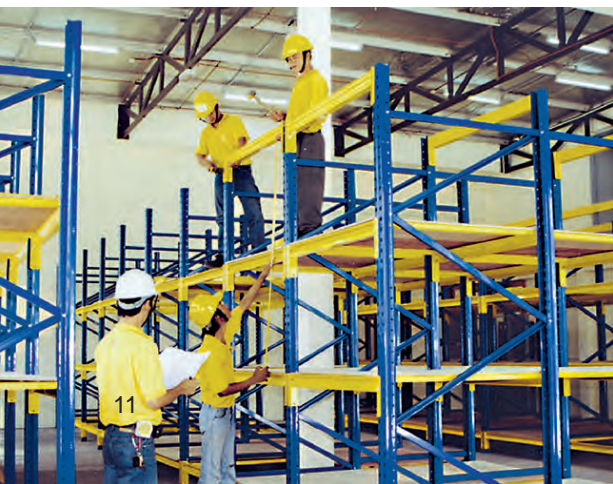


Safety and Health

In **TTF** we promote safe working practices and as a supplier of products that has significant safety implications, we work closely with our customers to minimize accidents.

It's true to say that you will never see a rack installation looking like the Leaning Tower of Pisa. Racks are either vertical or they fall over, and racks falling over is something that everybody wants to avoid. As a manufacturer, **TTF** is always striving to promote safe working practices and ensure that we design, produce and install our products to the highest safety standards.

In addition, there is the Occupational Safety and Health Act 1994 (OSHA) that place personnel responsibility upon within the law an eliminate unsafe practices. Employers must provide a safe working environment, and employees must act in such a manner to ensure his or her safety and that of their workers.



Before



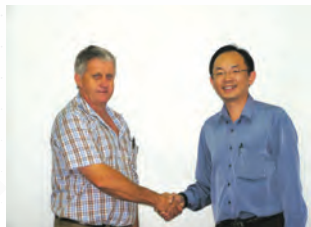
Know How + Know What + Know When + Know Where
+ Know Who + Know Why =

 **TTF RACK**TM
IDEAL FOR SPACE

After









Overseas Exhibitions





LIGHT DUTY RACKING SYSTEMS

pg.18 - pg.45

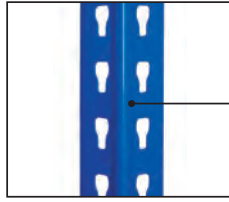
IDEAL FOR SPACE





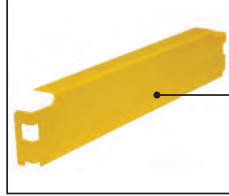
Angle Post with Rib (AP)

Reinforced with "Curvy Rib" to increase loading capacity and rigidity.



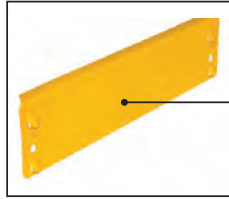
Center Support (CLS)

To support center of decking material and against longitudinal deflection.



Standard Beam (TRB)

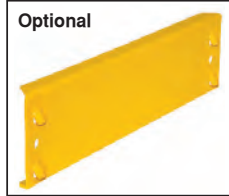
To provide ultimate strength and stability.



Optional

Twin Rivet C Beam (TRC)

To provide ultimate strength and stability.



AP Slim Stopper

Protect floor from damaged.



Dimension: Height x Depth x Length x Shelf Level x Decking Material

Height (in.)	30	36	48	60	72	84	96	108	120	132	144		
Depth (in.)	12	16	18	24	30	36	42	48					
Length (in.)	12	16	18	24	30	36	42	48	54	60	72	84	96
Shelf Level	2	3	4	5	6	Customize available							
Decking Material	High Density Fiber Board												
Loading Capacity (kg)	100 kg - 400 kg UDL / level												
Colour	 Beam Frame Set												

The **TTF Boltless Rack** minimizes setup time and offers a vast selection of heavy to light racking system requirements. Easy and fast to install and dismantle, **TTF Boltless Rack** can be applied to existing racking systems for increased cost savings in warehouse storage systems.



Scan the QR code for **Demo Video** in our facebook page.

[Click here](#)



Scan the QR code for **Installation Video** in our facebook page.

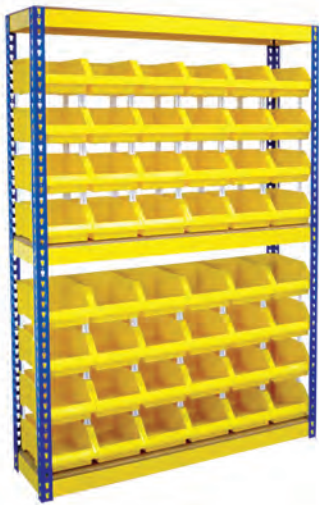
[Click here](#)

Sirim Test Report: 2003MA0257





Related Products



Boltless Rack + Multi Tool Box



Boltless Workbench

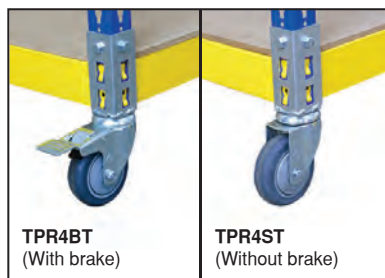


Boltless Hamper Rack



Trolley Boltless Rack

AP Castor Wheel

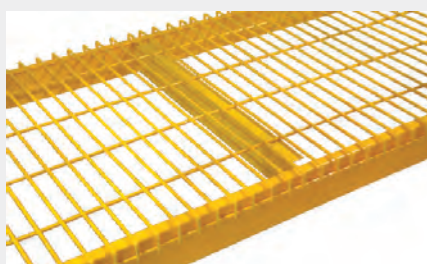


Pigeon Hole Boltless Rack

Decking Material



Metal Shelf



Mesh Decking



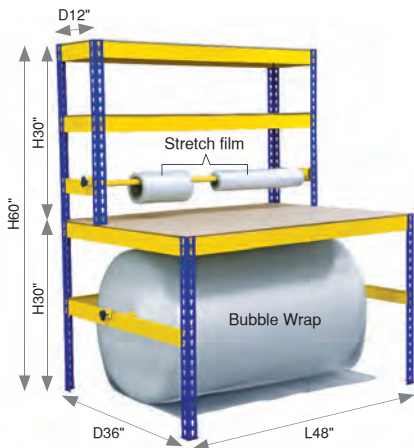
HDF Board / Plywood

We have different sizes and version of **Boltless Rack Packing Tables** suitable for all your needs. It is designed for warehouse, shipping / packing depts. **TTF Boltless Rack Packing Tables** are made from high-quality materials, and they are guaranteed to offer the user a long-lasting performance.



Scan the QR code for Installation Video in our facebook page.

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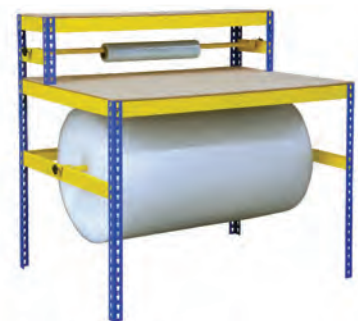
Type A

Code	BRPT(3030)3648-A
Description	H30" / 60" x (D12" x L48" x 2 Levels) + (D36" x L48" x 1 Level) x 8mm HDF C/W round pipe & APSS.



Type B

Code	BRPT(1236)3048-B
Description	H12" / 36" / 48" x [(D12" x L48") + (D30" x L48") x 1 Level] x 8mm HDF C/W round pipe & APSS.



Type C

Code	BRPT(1236)3648-C
Description	H12" / 36" / 48" x (D12" x L48") + (D36" x L48") x 1 Level] x 8mm HDF C/W round pipe & APSS.



Type D

Code	BRPT(3636)3648-D
Description	H36" / 72" x (D12" x L48" x 2 Levels) + (D36" x L48" x 1 Level) x 8mm HDF C/W round pipe & APSS.



Type E

Code	BRPT(3636)3648-E
Description	H36" / 72" x (D12" x L48" x 1 Level) + (D36" x L48" x 2 Levels) x 8mm HDF C/W round pipe & APSS.



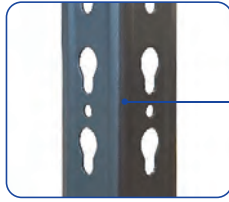
Type F

Code	BRPT(3636)3648-F
Description	H36" / 72" x [(D12" x L48") + (D36" x L48") x 1 Level] x 8mm HDF C/W round pipe & APSS.

E-Boltless Rack

Angle Post with Rib (EP)

Reinforced with "Curvy Rib" to increase loading capacity and rigidity.



Center Support (ELS)

To support center of decking material and against longitudinal deflection.



Beam (EHB)

To provide ultimate strength and stability.



AP Slim Stopper (APSS)

Protect floor from damaged.



Offer a various choice of sizes. Our **E-Boltless Rack** have decking materials made of HDF board offering various shelving application. It come with imperial (in.) measurement.

Dimension:
Height x Depth x Length x Shelve Levels x Decking Material

Height (in.)	36	48	60	72	84
Depth (in.)	12	16	18	24	
Length (in.)	36	48	60		
Shelve Level	3	4	5		
Decking Material	High Density Fiber Board				
Loading Capacity (kg)	250 kg - 300 kg UDL / level				
Colour	■ Matte Black				



E-Boltless Rack Packing Table



Type A

Code	EBRPT (1236)3648-A
Description	H12" / 36" / 48" (D12" x L48") + (D36" x L48") x 1 Level) x 8mm HDF C/W round pipe & APSS.

Type B

Code	EBRPT (3636)3648-B
Description	H36" / 72" x (D12" x L48" x 2 Levels) x 8mm HDF C/W round pipe & APSS.

Type C

Code	EBRPT (3648)3648-C
Description	H36" / 48" / 84" x (D12" x L48" x 2 Levels) + (D36" x L48" x 1 Level) x 8mm HDF C/W round pipe & APSS.



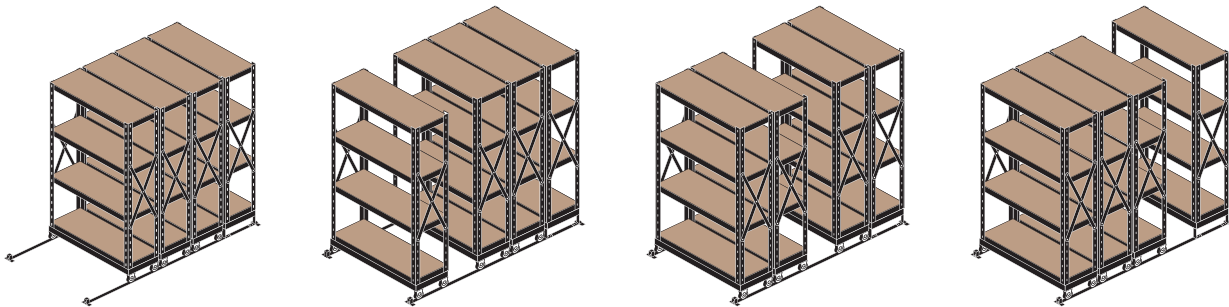
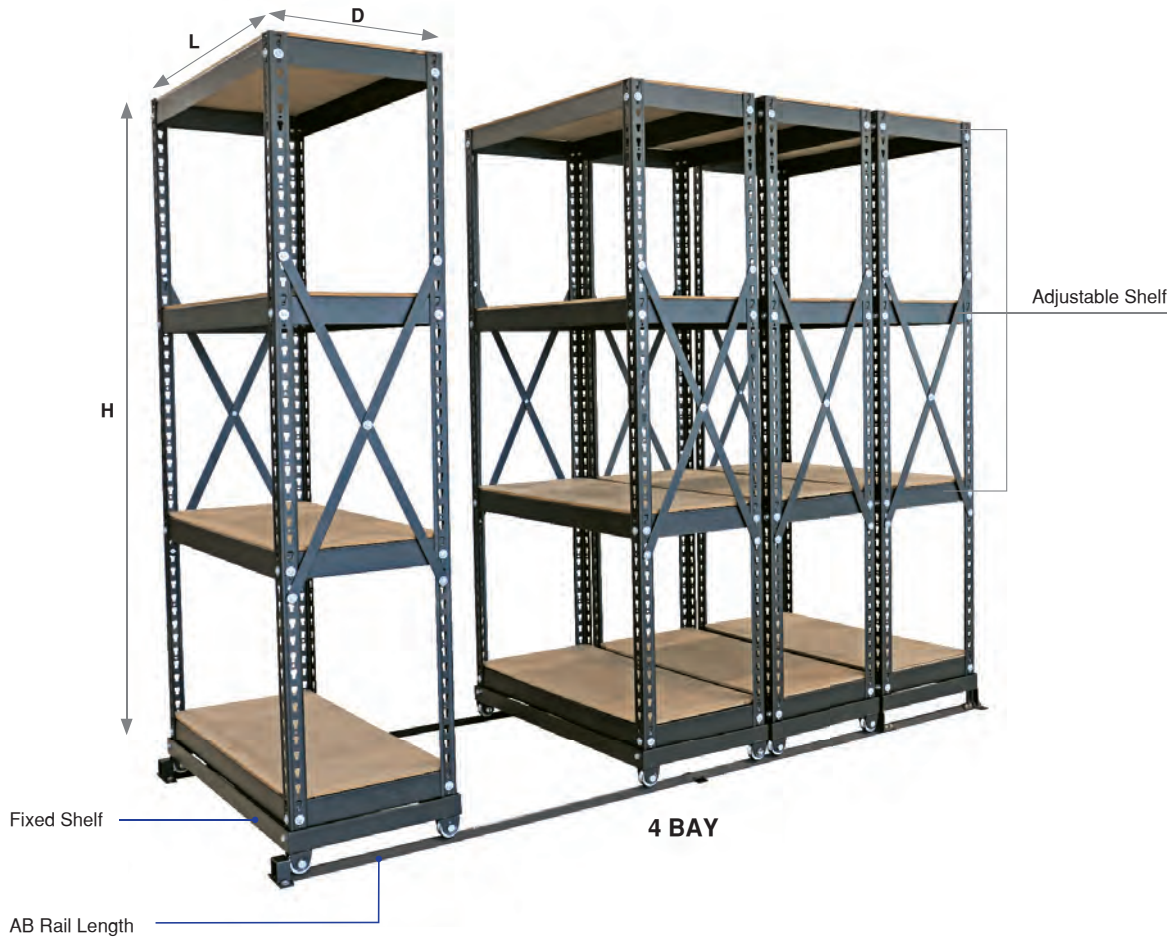
Type D

Code	EBRPT (3636)3648-D
Description	H36" / 72" x (D12" x L48" x 1 Level) + (D36" x L48" x 2 Levels) x 8mm HDF C/W round pipe & APSS.



Type E

Code	EBRPT (3636)3648-E
Description	H36" / 72" x [(D12" x L48") + (D36" x L48") x 1 Level] x 8mm HDF C/W round pipe & APSS.



Mobile Boltless Rack

- This systems maximize existing storage space.
- Eliminating aisles and compact several boltless rack into a much smaller amount of space.
- The systems provide highest possible density for storing files and other documentary.
- Every single bay come with 3 pieces adjustable shelve.

Dimension:

Height x Depth x Bay x Length x Shelf Levels x Decking Material

Height (in.)	72	84	96	
Depth (in.)	16	18	24	
AB Rail Total Length (in.)				
Bay	4	98	106	131
	5	116	126	156
	6	133	146	182
Length (in.)	36			
Shelf Level	3 (adjustable) + 1 (fixed)			
Decking Material	High Density Fiber Board			
Loading Capacity (kg)	Max. 300 kg/bay			
Colour	■ Matte Black			



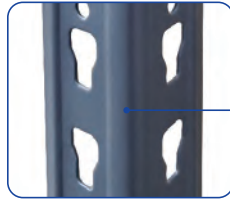
Scan the QR code for Demo Video in our facebook page.

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Angle Post (RAP)

Reinforced with "Curvy Rib" to increase loading capacity and rigidity.



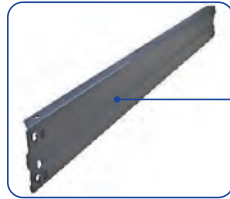
Center Support (RLS)

To support center of decking material and against longitudinal deflection.



Beam (RHB)

With total of 6 "Bending Rib" design to provide ultimate strength and stability. Premium gray colour matte paint provide scratch resistant.



Double Eagle Claw Hook

Double Eagle Claw Hook with enhance of strength and further improvement from existing Boltless Rack "Eagle Hook".



AP Slim Stopper (APSS)

Protect floor from damaged.



Rakku Boltless Rack (ラック) our new design of rack are further development from our existing Boltless Rack concept, come with various choice of sizes. TTF **Rakku Boltless Rack (ラック)** is designed for shop and retail usage. They have decking materials made of HDF board. It come with (mm) measurement.

TTF **Rakku Boltless Rack (ラック)** is semi-customizable due to various size available, you can find a configuration that fits the specific layout of your shop. Whether it's small TTF **Rakku Boltless Rack** unit or large, TTF **Rakku Boltless Rack** will definitely help with increased vertical space usage, you can eventually achieve S.T.E.M philosophy.

Dimension: Height x Depth x Length x Shelve Levels x Decking Material

Height (mm)	1522	1828	2130	2435	3040
Depth (mm)	300	400	450	600	
Length (mm)	900	1200	1500	1800	2400
Shelve Level	2	3	4	5	6
Decking Material	High Density Fiber Board				
Loading Capacity (kg)	100 kg - 400 kg UDL / level				
Colour	Matte Dark Grey		Beige		



Boltless Rack C/W Top Flooring



TTF innovative **Boltless Rack** system is applied in our c/w top flooring racking system. Lightning quick installation means increased storage capacity and maximizing space. This system creates another level of storage and saves additional warehouse costs. Highly stable, the **Boltless Rack c/w Top Flooring** is the ultimate solution to more room and more savings. TTF **Boltless Rack** systems are highly-adaptive to a multitude of applications. From mezzanine floors to aquarium display racks for exhibitions, our **Boltless Rack c/w Top Flooring** system is the ultimate chameleon to suit customer needs.



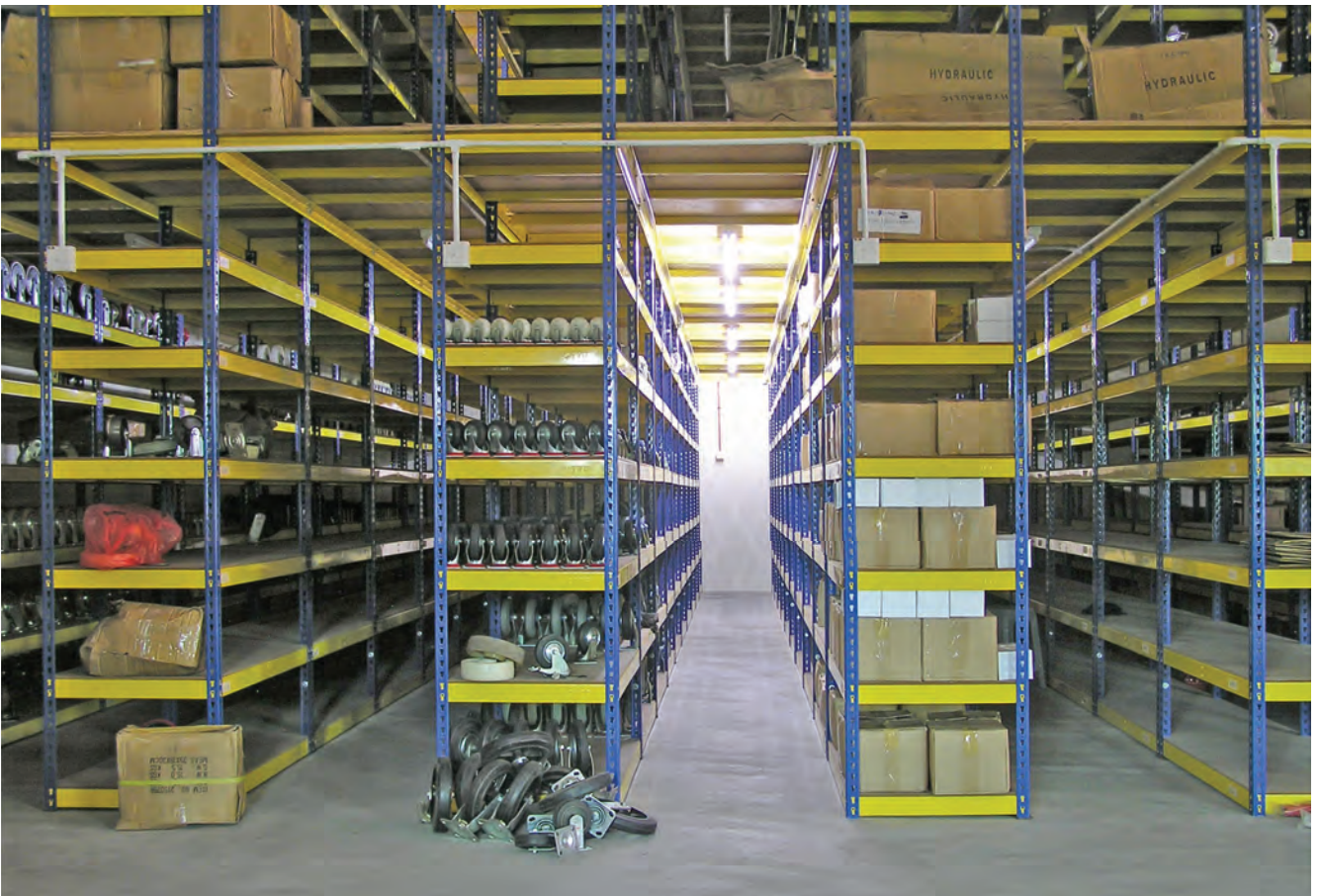
Boltless Rack C/W Top Flooring



Multi-tier Storage Racking System



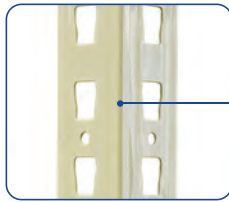
TTF innovative **Multi-tier Storage Racking System** is a 2-in-1 solution in today's world where space is a premium. Perfect for commercial or industrial locations, the design optimizes vertical space and offers instant access to stock handling. The system is a rack supported structure with versatile multi-tier application.



Kaizen Rack

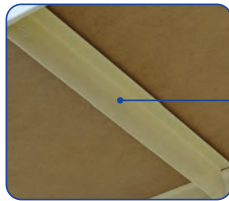
Angle Post (KP)

Reinforced with "Curvy Rib" to increase loading capacity and rigidity.



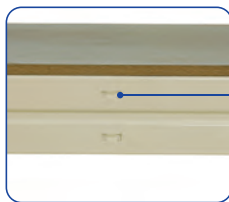
Center Support (KLS)

To support center of decking material and against longitudinal deflection.



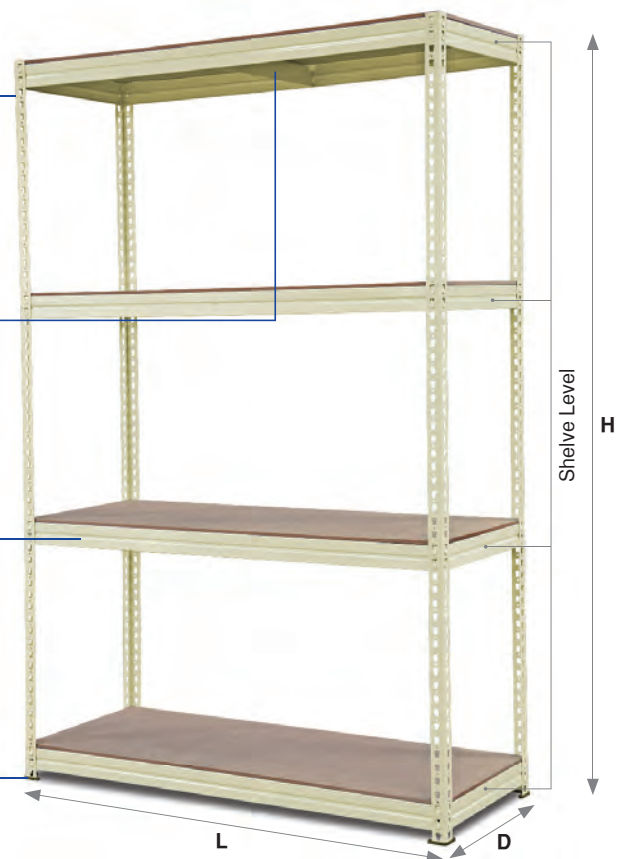
Beam (KHB)

To provide ultimate strength and stability.



AP Slim Stopper (APSS)

Prevent floor from scratching.



The **TTF Kaizen Rack** offers simple shelving applications for optimum cost efficient. Our **Kaizen Rack** have decking materials made of HDF board offering various shelving application.

Dimension: Height x Depth x Length x Shelve Levels x Decking Material

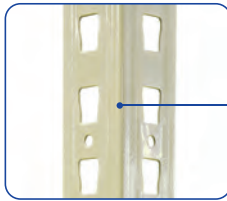
Height (mm)	1800	2100	2400		
Depth (mm)	300	450	600		
Length (mm)	300	450	600	900	1200
Shelve Level	4	5	6	(Customize available)	
Decking Material	High Density Fiber Board				
Loading Capacity (kg)	Max load. 150 kg UDL / level				
Colour	Beige				



Kaizen Metal Rack

Angle Post (KP)

Reinforced with "Curvy Rib" to increase loading capacity and rigidity.



Center Support (KLS)

To support center of decking material and against longitudinal deflection.



Metal Shelve Plate (MSP)

An another option of decking material.



Beam (KHB)

To provide ultimate strength and stability.



AP Slim Stopper (APSS)

Prevent floor from scratching.



With a loading capacity of 150kg uniformly distributive load (UDL), **TTF Kaizen Metal Rack** was designed as a light duty shelving system. Each shelf is finish with anti-rust epoxy powder coating.

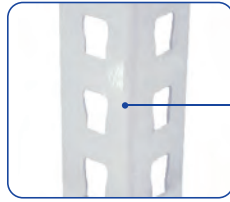
Dimension: Height x Depth x Length x Shelve Levels x Decking Material

Height (mm)	1800	2100	2400		
Depth (mm)	450	600			
Length (mm)	900	1200			
Shelve Level	4	5	6	(Customize available)	
Decking Material	Metal Shelve Plate				
Loading Capacity (kg)	Max load. 150 kg UDL / level				
Colour	Beige				



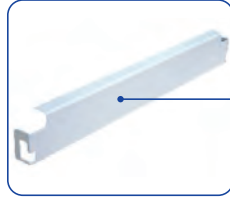
Angle Post

Reinforced with "Curvy Rib" to increase loading capacity and rigidity.



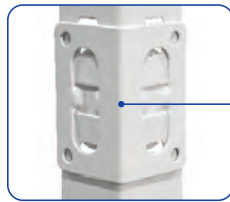
Center Support

To support center of decking material and against longitudinal deflection.



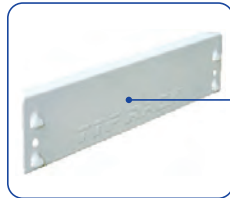
DP Joint

Joint the Angle Post to become individual rack.



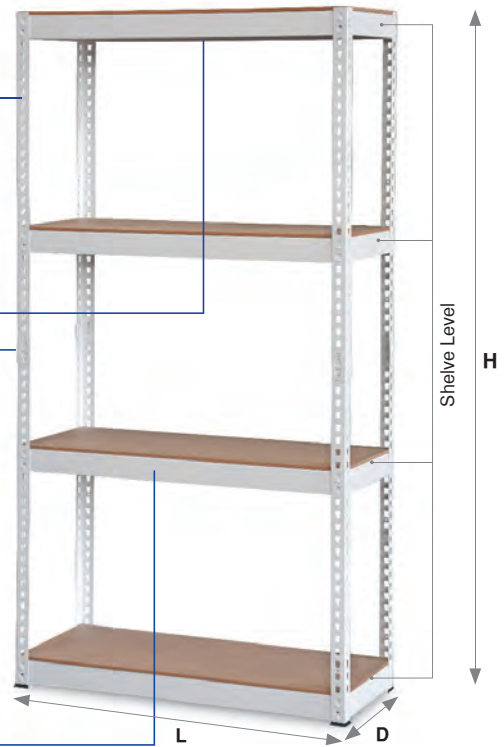
Beam

To provide ultimate strength and stability.



Bottom Stopper

Protect floor from damaged.



2 in 1

Dimension: Height x Depth x Length x Shelf Levels x Decking Material

Model	Dimension (mm) Height x Depth x Length	Shelf Level	Decking Material	Loading Capacity	Colour
FB51236LG	1710 x 300 x 900	4	High Density Fiber Board	80 kg UDL/ level	Light Grey
FB51436	1710 x 350 x 900				White ■ Black ■ Red ■ L.Grey
FB51448LG	1710 x 350 x 1200				Light Grey ■ Black
FB51430 (Standard Rack)	1530 x 350 x 750				■ Beam ■ Angle Post
FB571224BK	1450 x 300 x 600				■ Black
				100 kg UDL/ level	

Remarks : FB51236LG and FB51448LG limited to light grey colour only.

The **TTF D.I.Y. Colour Rack** and TTF Standard Rack design is available in fiber board shelves. It is quick and easy installation with a TTF Boltless Rack concept system makes it easy for home and office usage. The **TTF D.I.Y. Colour Rack** and TTF Standard Rack is supplied in one (1) carton box for convenient and transportation.



All come in one (1) carton box

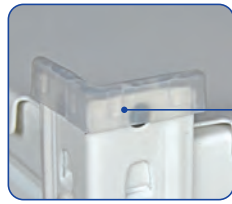


TTF Standard Rack (FB51430)



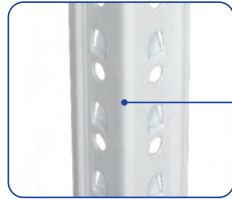
Angle Post Upper Stopper

Sharp edges and pointed corners are protected.



Angle Post

Reinforced with "Curvy Rib" to increase loading capacity and rigidity.



Joint Bracket

Joint part of angle post to become individual rack.



Metal Shelf

Metal type decking, alternative for place with high humidity.



Beam

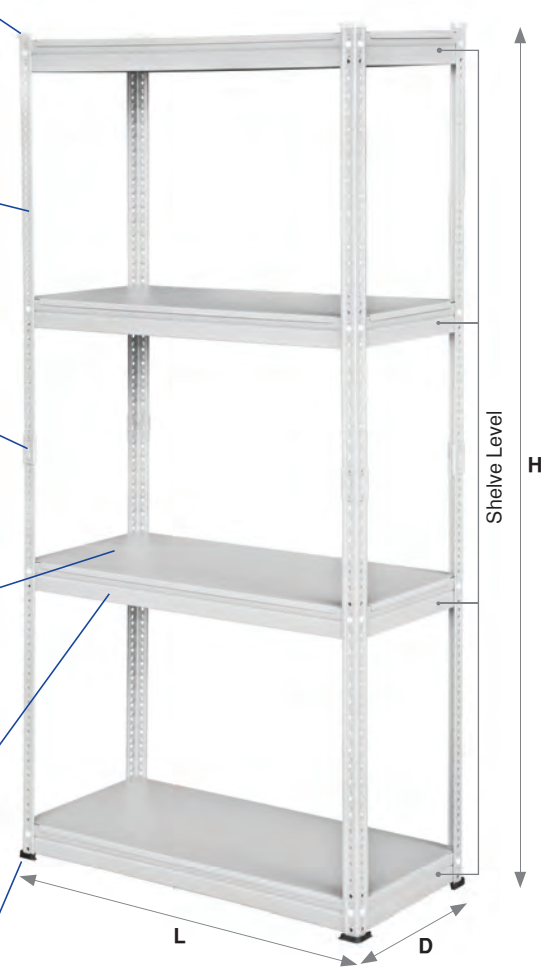
To provide ultimate strength and stability.



Safety Pin and Bottom Stopper

Safety Pin: Used for attaching beam to provide extra security for locking beam purpose.

Bottom Stopper: Protect floor from damaged.



With a loading capacity of 80kg uniformly distributive load (UDL), TTF **InStyle Rack** was designed as a light duty shelving system. Each shelf is finish with anti-rust epoxy powder coating.

Dimension:

Height x Depth x Length x Shelf Levels x Decking Material

Model	ISR 661432
Dimension (mm)	1680 (H) x 350 (D) x 800 (L)
Shelf Level	4
Decking Material	Metal Shelf Plate
Loading Capacity	80 kg UDL / Level
Colour	<input type="checkbox"/> Black <input type="checkbox"/> White <input type="checkbox"/> Dark Grey





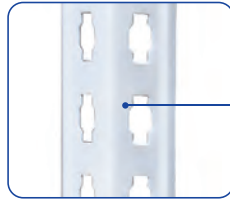
Convenient!



All come in one (1) carton box.

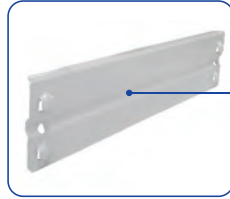
Angle Post

Reinforced with "Curvy Rib" to increase loading capacity and rigidity.



Beam

To provide ultimate strength and stability.



Bottom Stopper

Protect floor from damaged.



With a loading capacity of 150kg uniformly distributive load (UDL), TTF **Easy Rack** was designed as a light duty shelving system.

Dimension:

Height x Depth x Length x Shelve Levels x Decking Material

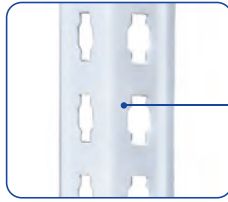
Height (mm)	1500	1800	2100			
Depth (mm)	300	350	450	600	800	900
Length (mm)	300	350	450	600	800	900
Shelve Level	3	4	5	6		
Decking Material	High Density Fiber Board					
Loading Capacity (kg)	Max load. 150 kg UDL / level					
Colour	White					



Easy Metal Rack

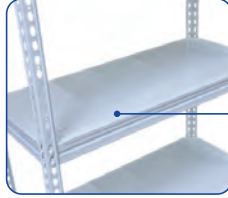
Angle Post

Reinforced with "Curvy Rib" to increase loading capacity and rigidity.



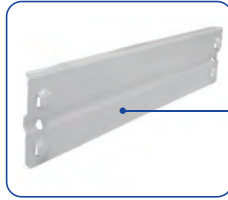
Metal Shelf

Metal type decking, alternative for place with high humidity.



Beam

To provide ultimate strength and stability.



Bottom Stopper

Protect floor from damaged.



With a loading capacity of 150kg uniformly distributive load (UDL), TTF **Easy Metal Rack** was designed as a light duty shelving system. Each shelf is finish with anti-rust epoxy powder coating.

Dimension:

Height x Depth x Length x Shelve Levels x Decking Material

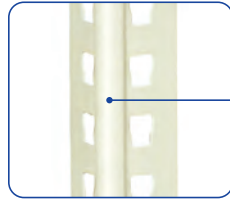
Height (mm)	1500	1800	2100			
Depth (mm)	300	350	450	600	800	900
Length (mm)	300	350	450	600	800	900
Shelve Level	3	4	5	6		
Decking Material	Enclose Metal Shelve Plate (EMSP)					
Loading Capacity (kg)	Max load. 150 kg UDL / level					
Colour	White					



Simple Rack

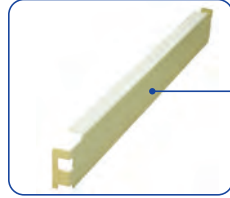
Angle Post (SP)

Reinforced with "Curvy Rib" to increase loading capacity and rigidity.



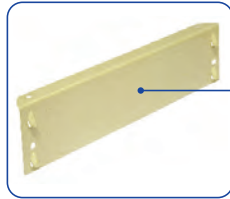
Center Support (SLS)

To support center of decking material and against longitudinal deflection.



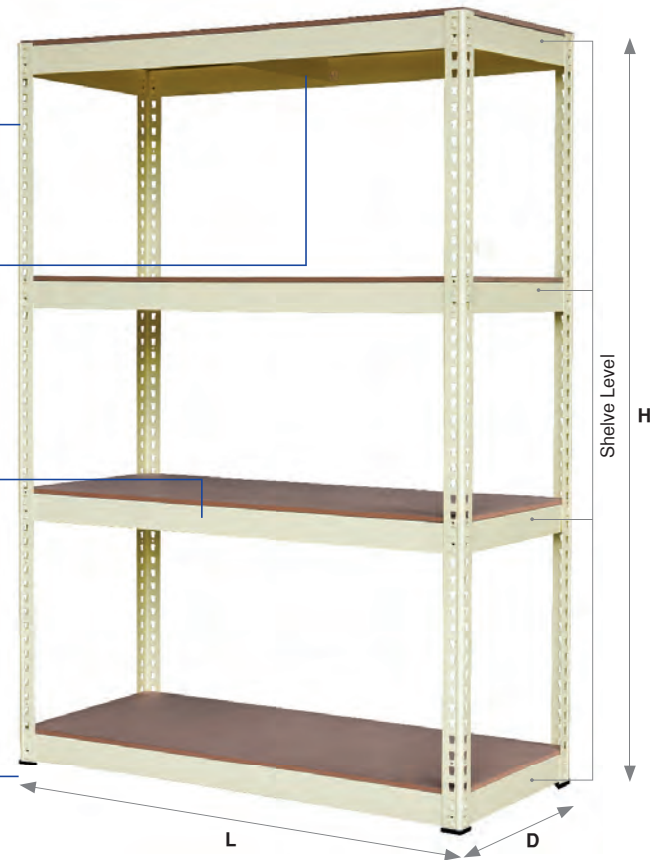
Beam (SHB)

To provide ultimate strength and stability.



AP Slim Stopper (APSS)

Protect floor from damaged.



The **TTF Simple Rack / Vital Rack** offers simple shelving applications for optimum cost efficient. Our **Simple Rack / Vital Rack** have decking materials made of HDF board offering various shelving application.

Dimension:

Height x Depth x Length x Shelve Levels x Decking Material

Height (mm)	910	1210	1510	1810	2110	2410
Depth (mm)	300	450	600			
Length (mm)	300	450	600	900	1200	
Shelve Level	4	5	6	(Available customize)		
Decking Material	High Density Fiber Board					
Loading Capacity (kg)	200 kg UDL / level					
Colour	Beige					



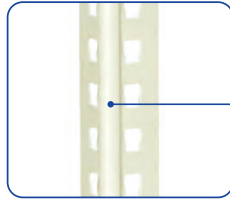
Simple / Vital Rack with Metal Shelving Plate (MSP)



Simple Metal Rack

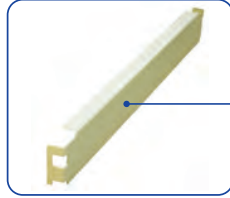
Angle Post (SP)

Reinforced with "Curvy Rib" to increase loading capacity and rigidity.



Center Support (SLS)

To support center of decking material and against longitudinal deflection.

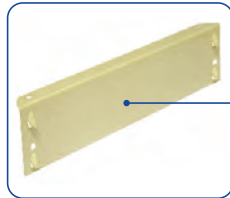


Metal Shelve (MSP)



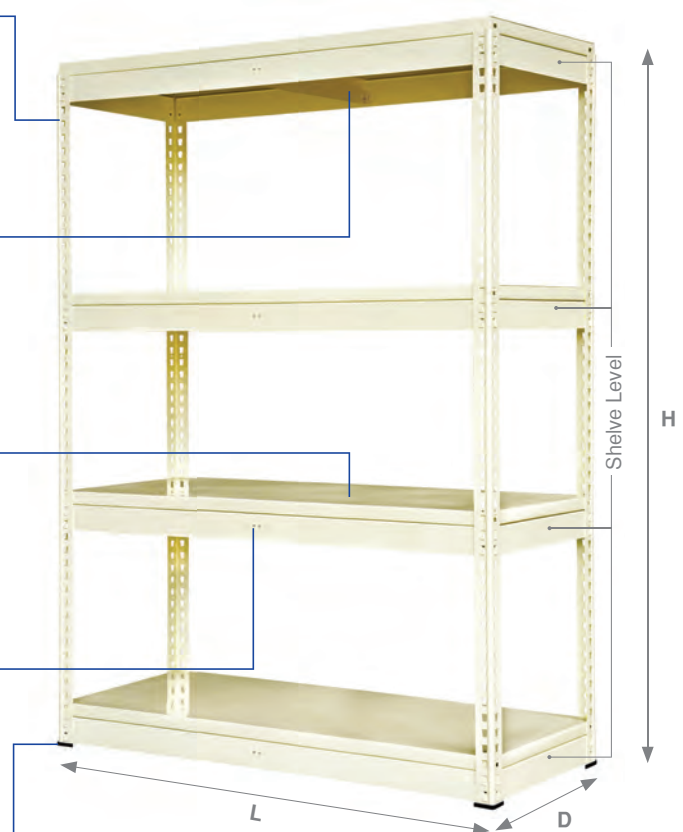
Beam (SHB)

To provide ultimate strength and stability.



AP Slim Stopper (APSS)

Protect floor from damaged.



With a loading capacity of 200kg uniformly distributive load (UDL), **TTF Simple Metal Rack** was designed as a light duty shelving system. Each shelve is finish with anti-rust epoxy powder coating.

Dimension: Height x Depth x Length x Shelve Levels x Decking Material

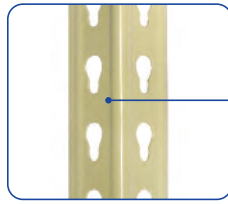
Height (mm)	910	1210	1510	1810	2110	2410
Depth (mm)	450	600				
Length (mm)	900	1200				
Shelve Level	4	5	6	(Customize available)		
Decking Material	Metal Shelve Plate					
Loading Capacity (kg)	150 kg - 200 kg UDL / level					
Colour	Beige					





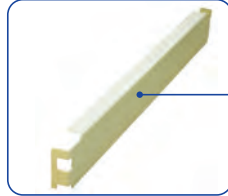
Angle Post (EP)

Reinforced with "Curvy Rib" to increase loading capacity and rigidity.



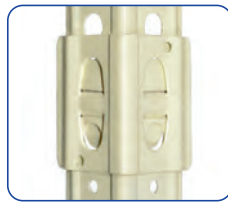
Center Support (ELS)

To support center of decking material and against longitudinal deflection.



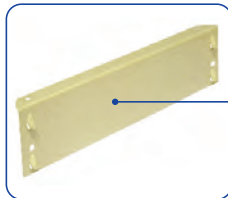
EP Joint Bracket (EPJ)

Joint the Angle Post to extend racking height.



Beam (EHB)

To provide ultimate strength and stability.



AP Slim Stopper (APSS)

Protect floor from damaged.



Dimension: Height x Depth x Length x Shelf Level x Decking Material

Height (in.)	60	72	84	96						
Depth (in.)	12	16	18	24	30					
Length (in.)	12	16	18	24	30	36	48	60	72	96
Shelf Level	4	5	6	(Customize available)						
Decking Material	High Density Fiber Board									
Loading Capacity (kg)	200 kg UDL / level									
Colour	Beige									

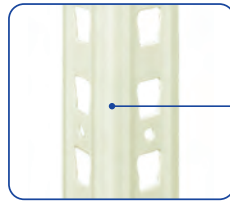
The **TTF Econ Rack** offers a various choice of sizes. Our **Econ Rack** have decking materials made of HDF Board offering various shelving application. It comes with imperial (In.) measurement.





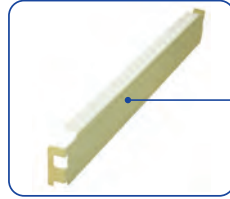
Angle Post (VP)

Reinforced with "Curvy Rib" to increase loading capacity and rigidity.



Center Support (SLS)

To support center of decking material and against longitudinal deflection.



Beam (SHB)

To provide ultimate strength and stability.



AP Slim Stopper (APSS)

Protect floor from damaged.



With a loading capacity of 200kg uniformly distributive load (UDL), **TTF Vital Rack** was designed as a light duty shelving system. Each shelf is finish with anti-rust epoxy powder coating.

Dimension: Height x Depth x Length x Shelve Levels x Decking Material

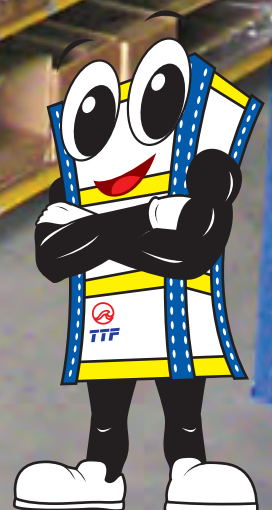
Height (mm)	1500	1800	2100	2400		
Depth (mm)	300	450	600	900	1200	
Length (mm)	300	450	600	900	1200	
Shelve Level	4	5	6	(Customize available)		
Decking Material	High Density Fiber Board					
Loading Capacity (kg)	200 kg UDL / level					
Colour	Beige					



MEDIUM DUTY RACKING SYSTEMS

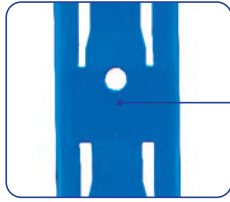
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IDEAL FOR SPACE



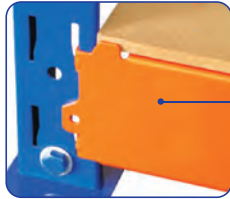
Post (IP)

Vertical component of rack which horizontal and diagonal brace are tighten with bolt and nut and beams are attached.



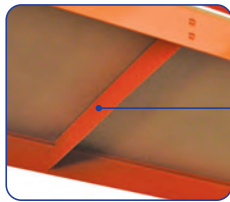
C-Beam (IHC)

To provide ultimate strength and stability.



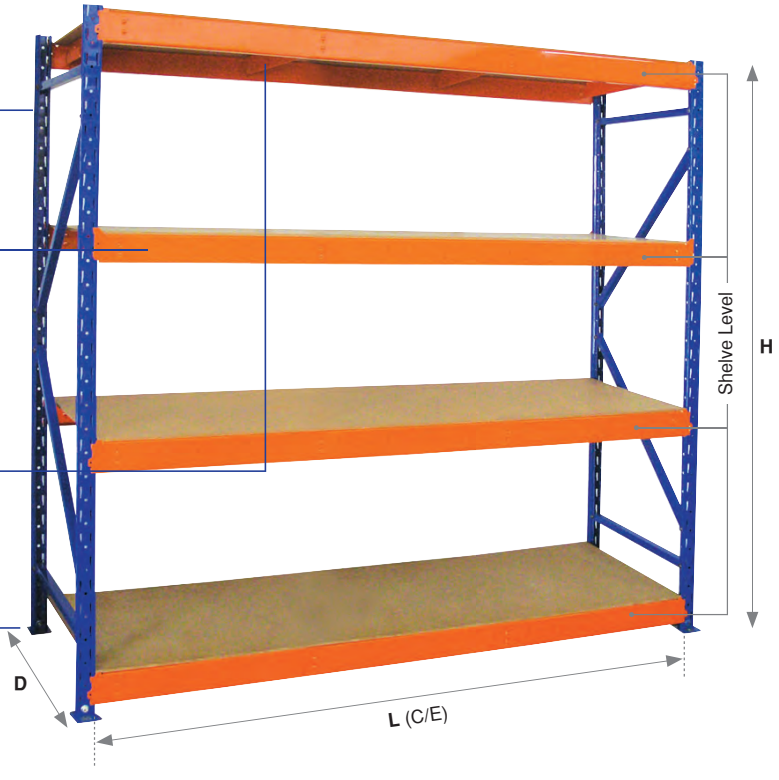
Center Support (ILS)

To support center of decking material and against longitudinal deflection.



Base Plate (IBP)

Standard base plate for racking post.



Dimension: Height x Depth x Length x Shelve Level x Decking Material

Height (mm)	1200	1500	1800	2100	2400	2700	3000	3300	3600	3900	4200	4500	4800	5100	5400	5700	6000
Depth (mm)	450	600	750	900	1200												
Length (mm)	1200	1500	1800	2100	2400												
Shelve Level	2	3	4	5	6	(Available customize)											
Decking Material	12 mm thickness HDF Board / Plywood / Metal Shelving Plate																
Loading Capacity (kg)	500 kg UDL / level																
Colour	Beam								Frame Set								

TTF Ideal Longspan Shelving is design for fast access and maximizing minimal storage capacity, the system is a versatile solution to a vast majority of businesses. From medium-sized to large loads and items, **TTF Ideal Longspan Shelving System** is purpose-built according to client requirements. Long lasting epoxy finish increases

lifespan of durable rack system. With a UDL capacity of between 500 kg ~ 1000 kg, **TTF Ideal Longspan Shelving System** has option for an endless list of storage needs. The system is extremely reliable and offers a save, and sturdy storage environment.



Scan the QR code for Installation Video in our facebook page.

[Click here](#)



Ideal Longspan Shelving System

Ideal Longspan Shelving Mezzanine Floor



HEAVY DUTY RACKING SYSTEMS

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IDEAL FOR SPACE

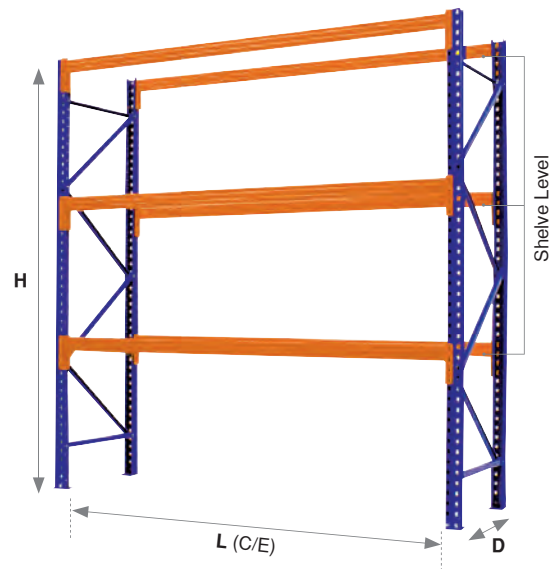




TTF Selective Pallet Racking System is constantly in demand by all warehousing facilities requiring palletized storage and handling. The system allows instantaneous access to store articles without incurring load crushing.

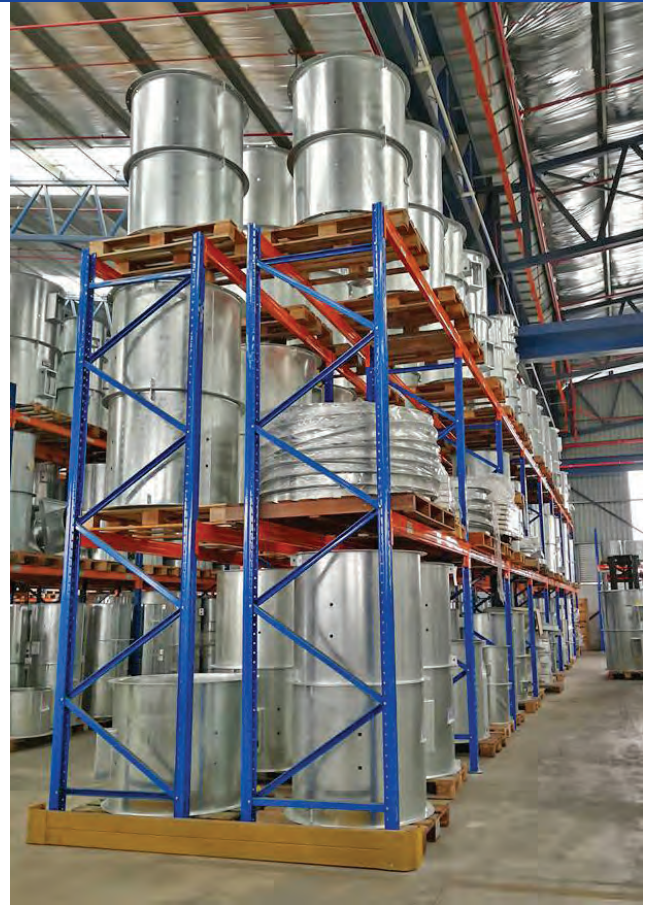
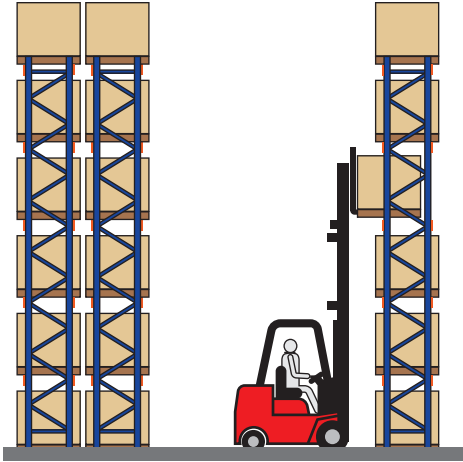
The **TTF Selective Pallet Racking System** offers an excellent stock rotation function and only uses 40% of warehouse floor space. With a maximum uniformly distributive load (UDL), the **TTF Selective Pallet Racking System** is able to withstand loads from 1000kg ~ 3000kg. Effective, economical and flexible, **TTF Selective Pallet Racking System** is the solution to increase warehouse productivity.

The **TTF Selective Pallet Racking System** can be setup in single and double-sided runs to suit all forklift and hand pallet trucks. Depending on aisle width and maximum load height, **TTF Selective Pallet Racking System** offers a low start-up solution. The **TTF Selective Pallet Racking System** is packed with features for maximum versatility. With features like drum stoppers and frame guards, the system meets strict safety requirements of today's modern warehouse.



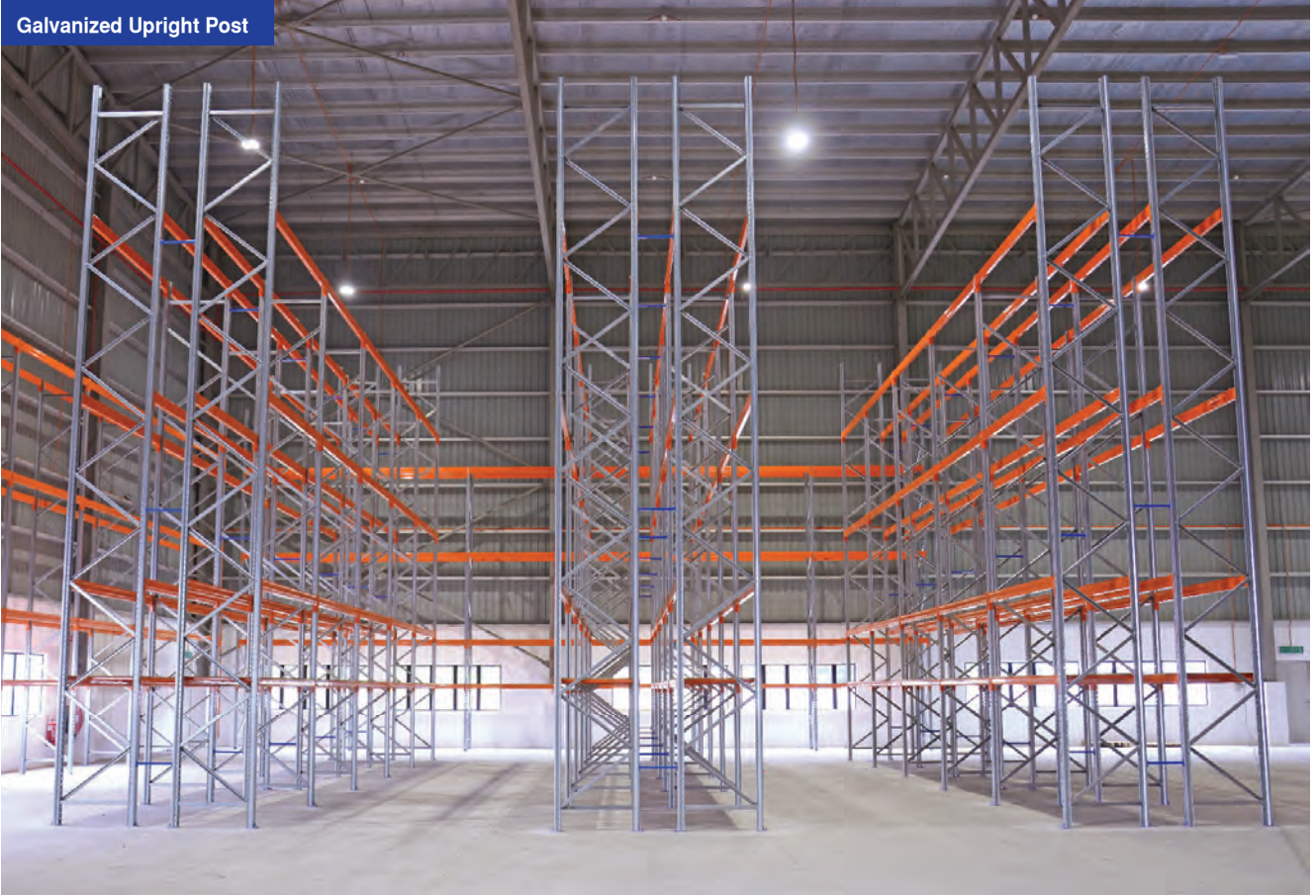
Dimension: Height x Depth x Length x Shelve Level x Bay (W/O Plywood)

Height (mm)	900	1200	1500	1800	2100	2400	2700	3000	3300	3600	3900	4200	4500
Depth (mm)	4800	5100	5400	5700	6000	6300	6600	6900	7200	7500			
Length (mm) C/E	900	1200	1350	1500	1800	2100	2400	2700	3000	3300	3600		
Shelve Level	2	3	4	5	6	(Available customize)							
Decking Material	Bay (Without Plywood)												
Loading Capacity (kg)	1000 kg - 3000 kg UDL / level												
Colour	Beam ■ ■ (optional)							■ Frame Set					



Selective Pallet Racking System

Galvanized Upright Post



Galvanized Upright Post



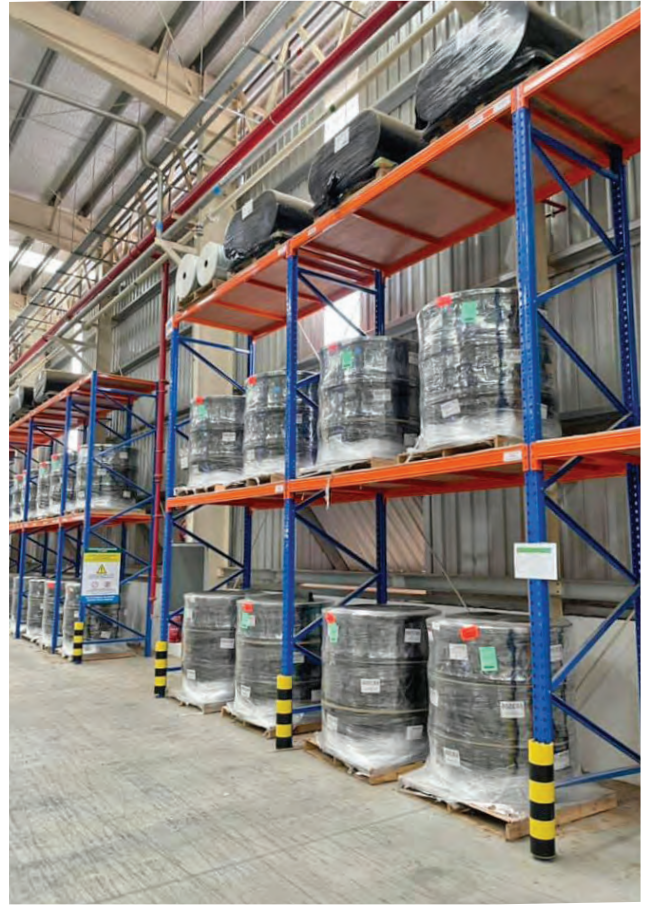
Mesh Decking



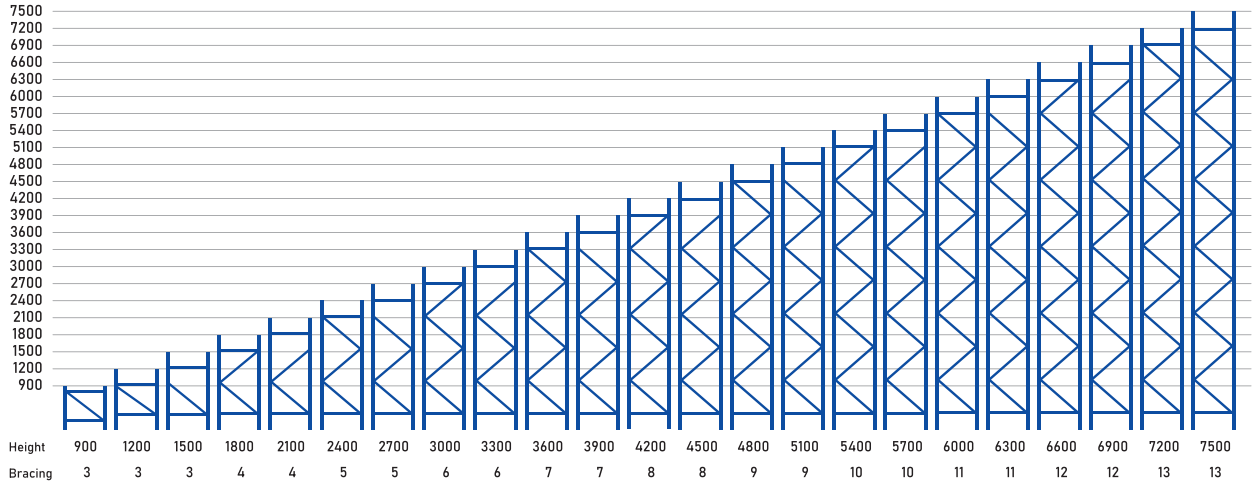
Matte Dark Gray Upright Post



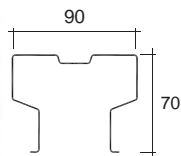
Selective Pallet Racking System



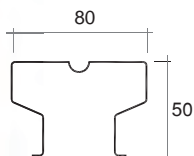
Heavy Duty Frame Set Height (mm)



Upright Post

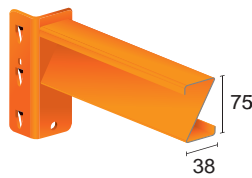


UP 90x70

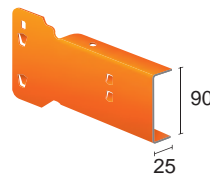


TP 80x50

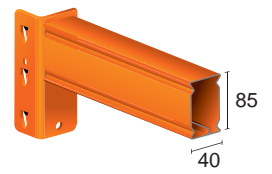
Box Beam Profile



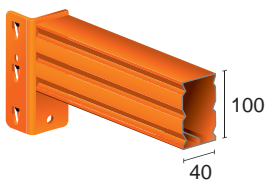
OUZB 38x75



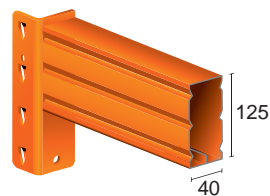
OUCB 25x90



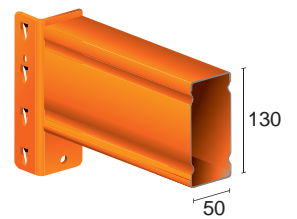
OUBB 40x85



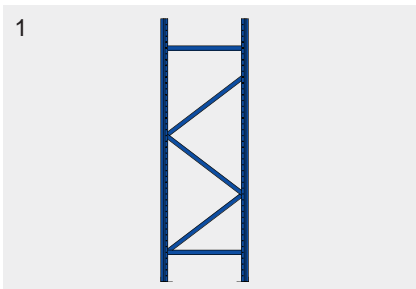
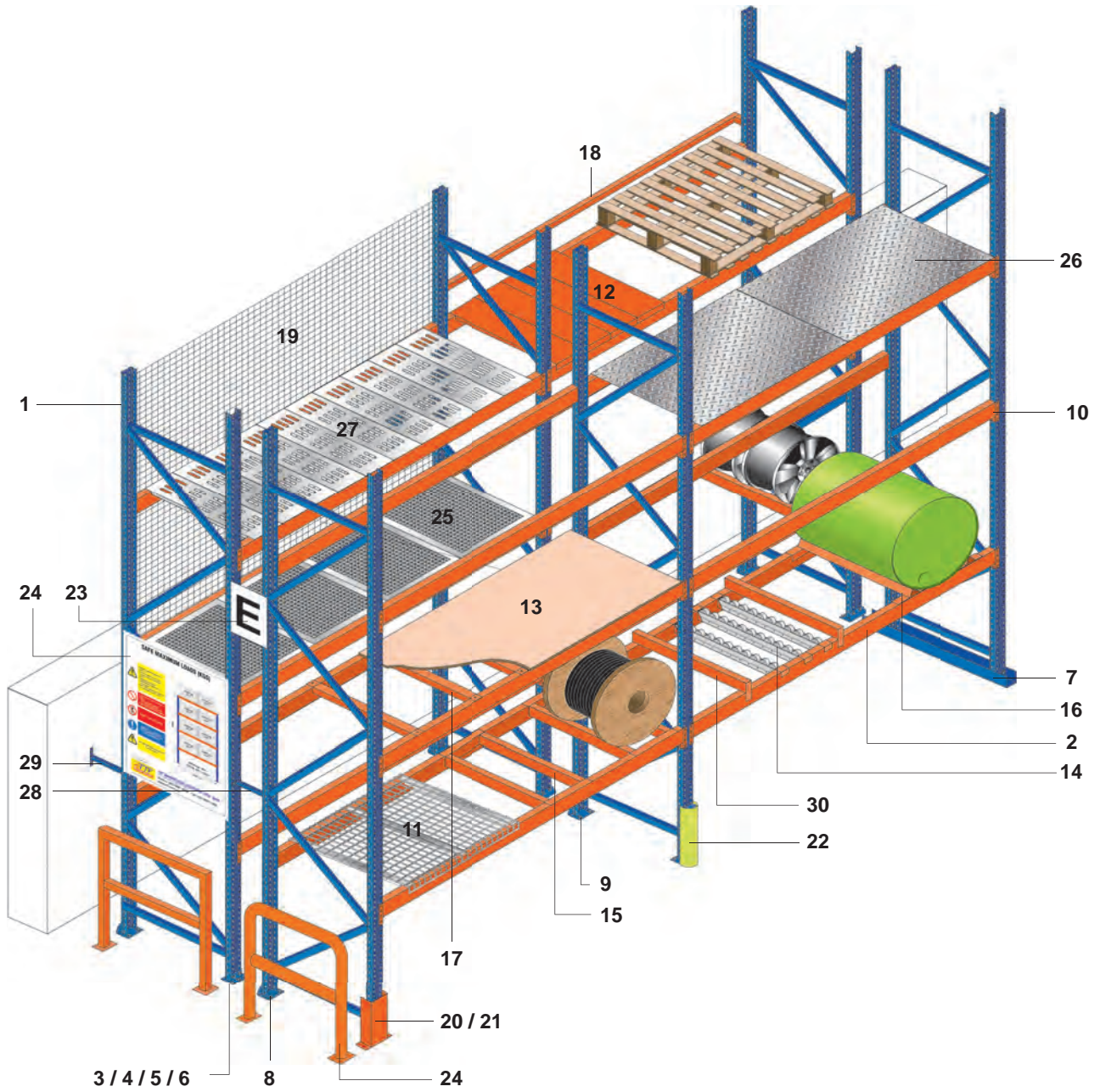
OUBB 40x100



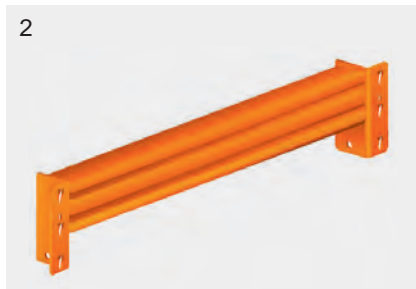
OUBB 40x125



OUBB 50x130



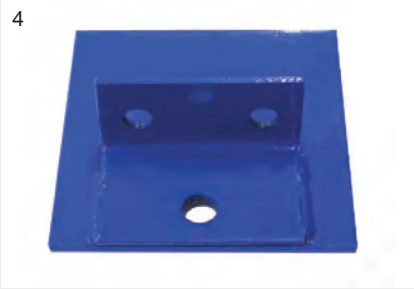
UP Frame Set



Box Beam



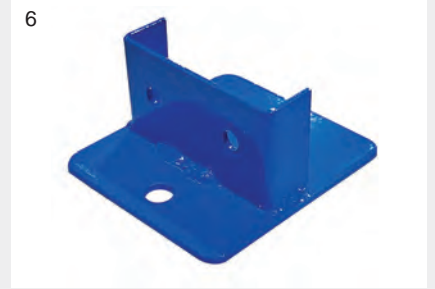
UBP Base Plate



TBP Base Plate



HBP Base Plate



CBP Base Plate



C-Channel Base Plate



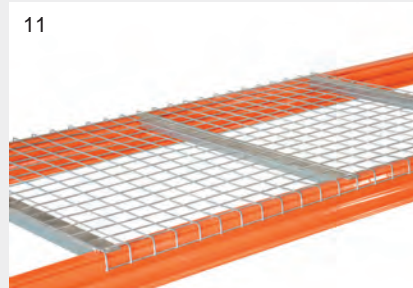
Levelling Plate



PJ Anchor



Safety Pin



Mesh Decking



Heavy Duty Metal Shelf



HDF Board / Plywood / Cement Board



Placon Roller



Sport Rim Stopper



Drum Stopper



Heavy Duty Center Support



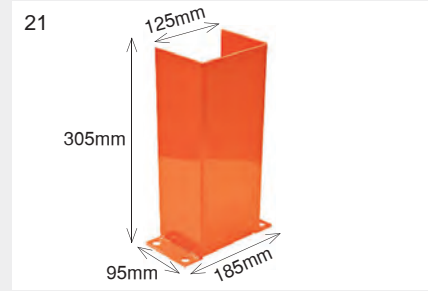
Pallet Stopper



19 Mesh Fencing



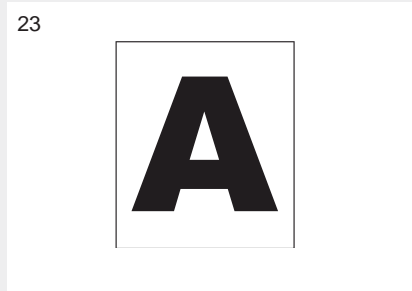
20 O Frame Guard (Type A)



21 O Frame Guard (Type B)



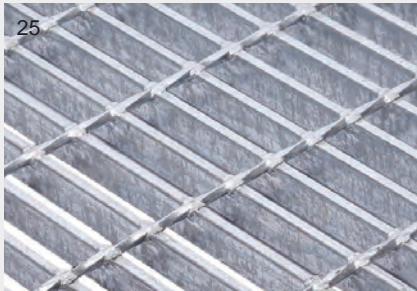
22 Rack Armour



23 Row Sign



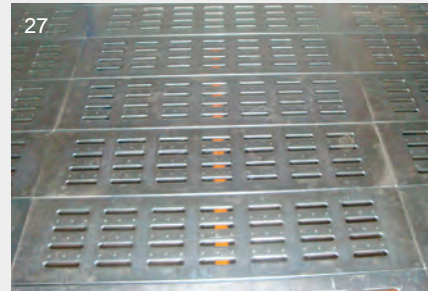
24 Safe Load Notice



25 Steel Grating



26 Chequer Plate



27 Perforated Metal Floor Plain



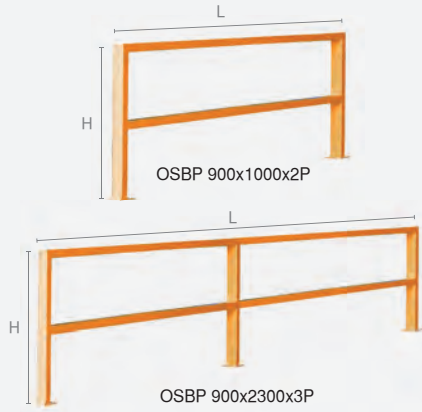
28 Frame Joint



29 Wall Joint



30 Heavy Duty Divider



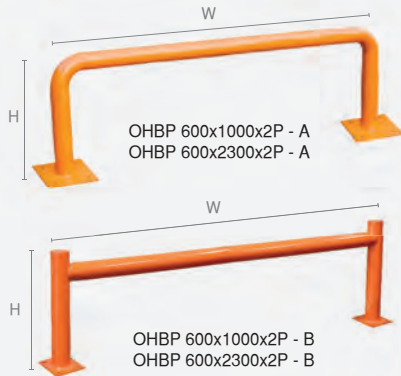
Standard Barrier Protector

Product code	OSBP 900x1000x2P	OSBP 900x2300x3P
Dimension H x L (mm)	900 x 1000	900 x 2300
SHS size (mm)	50 x 50	
No. of Pole	2	3



Heavy Duty Barrier Protector

Product code	OHBP 900x1000x2P		OHBP 900x2300x3P	
Type	A	B	A	B
Dimension H x L (mm)	900 x 1000		900 x 2300	
Pipe Diameter (mm)	Ø75			
No. of Pole	2		3	



Barrier Protector

Product code	OHBP 600x1000x2P		OHBP 600x2300x2P	
Type	A	B	A	B
Dimension H x L (mm)	600 x 1000		600 x 2300	
Pipe Diameter (mm)	Ø75			
No. of Pole	2			



Detachable Barrier Protector

Product code	ODBP 900x1000x2P	ODBP 900x2300x3P
Dimension H x L (mm)	900 x 1000	900 x 2300
SHS size (mm)	100 x 100	
No. of Pole	2	3



Post OP 100100900
Size: 100 x 100 x 900



Lip Channel OLC 40100
Size: 40 x 100 x 800 / 1000





Specifically constructed and designed for tough loads between 1000kg ~ 3000kg UDL, heavy capacity warehouses can now look towards our range of **Heavy Duty Shelving System**. Our own innovation, the box beam increase loading capacity of the **Heavy Duty Shelving System**, the versatility of the box beam bracket enables easy installation and dismantling according to customer application.



Dimension: Height x Depth x Length x Shelve Level x Decking Material

Height (mm)	900	1200	1500	1800	2100	2400	2700	3000	3300	3600	3900	4200	4500
Depth (mm)	4800	5100	5400	5700	6000	6300	6600	6900	7200	7500			
Length (mm) C/E	450	600	750	900	1000	1200	1500						
Shelve Level	900	1200	1350	1500	1800	2100	2400	2700	3000	3300	3600		
Shelve Level	2	3	4	5	6	(available customize)							
Decking Material	12mm High Density Fiber Board / Pywood / Metal Shelve												
Loading Capacity (kg)	1000 kg - 3000 kg UDL / level												
Colour	Beam ■ ■ ■							Frame Set ■ ■					



Twin-bay Racking System



Twin-bay C/W Top Flooring



TTF Twin-bay Racking System was conceptualized as a cost saving system. With the application of our unique bracing system, the **Twin-bay Racking System** offers double the storage capacity and warehouse storage efficiency. The **Twin-bay Racking System** is made to withstand loads between 1000 kg ~ 3000 kg UDL.



Multi-tier Twin-bay C/W Top Flooring



Twin-bay Racking System





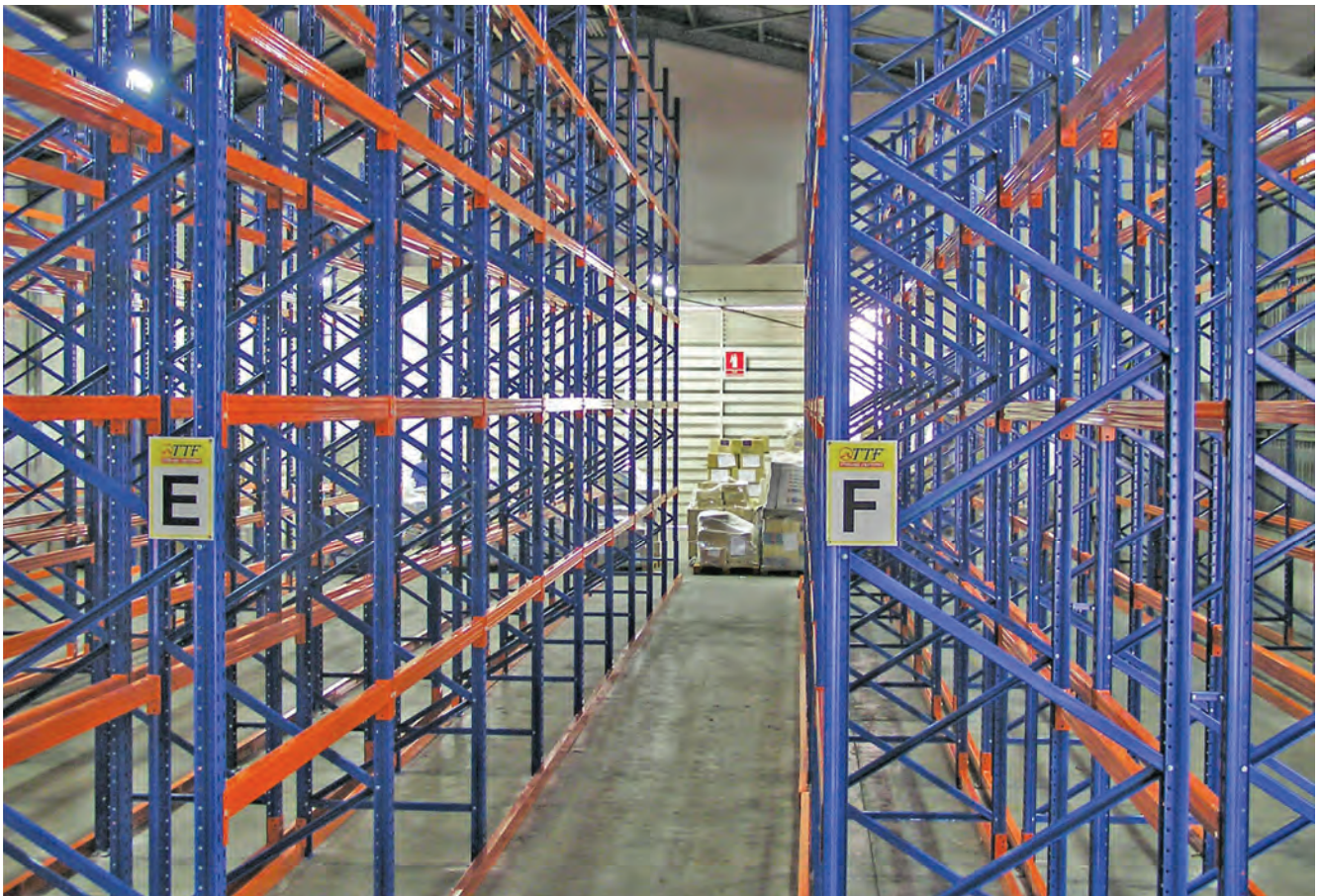
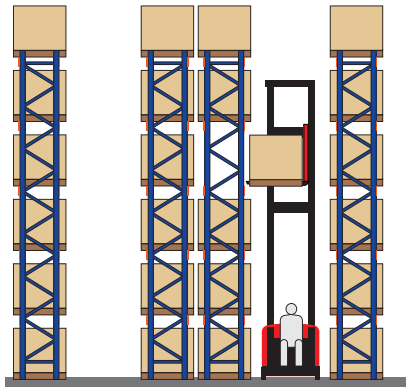
Narrow Aisle Racking System



TTF Narrow Aisle Racking System provides high density storage while still allow individual access to all pallets. It's serve by special designed handling equipment: combination order pickers and turret truck or stacker cranes. It's needed to manoeuvre in the narrow aisle between the racks and aisle are marginally wider that the special truck, thus it guided along the aisle and do not turn to retrieve or deposit a pallet. The mast or fork head rotates to left or right as required. These system come into their own where only a limited floor space but store a large volume of stock and pallet.



Combination Order Picker & Turret Truck



Due to high-emphasis on safety required throughout racking systems, TTF have developed the **Double Deep Racking System**. TTF **Double Deep Racking System** was designed to store 2 pallets deep or 4 pallets deep in a double entry rack to suit most warehousing conditions. With a floor utilization capacity of 60%, this system offers optional storage accessories for awkward and non-standard loads. It gives 50% immediate accessibility and an average stock rotation performance.

Scan the QR code for **Product Video** in our facebook page.

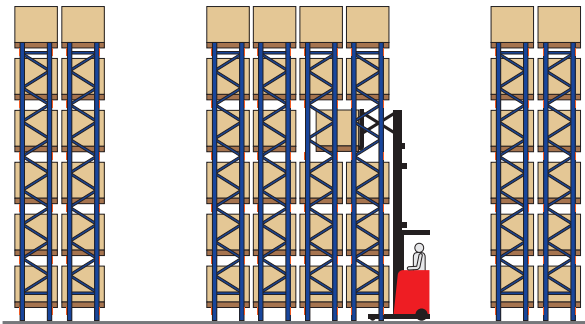
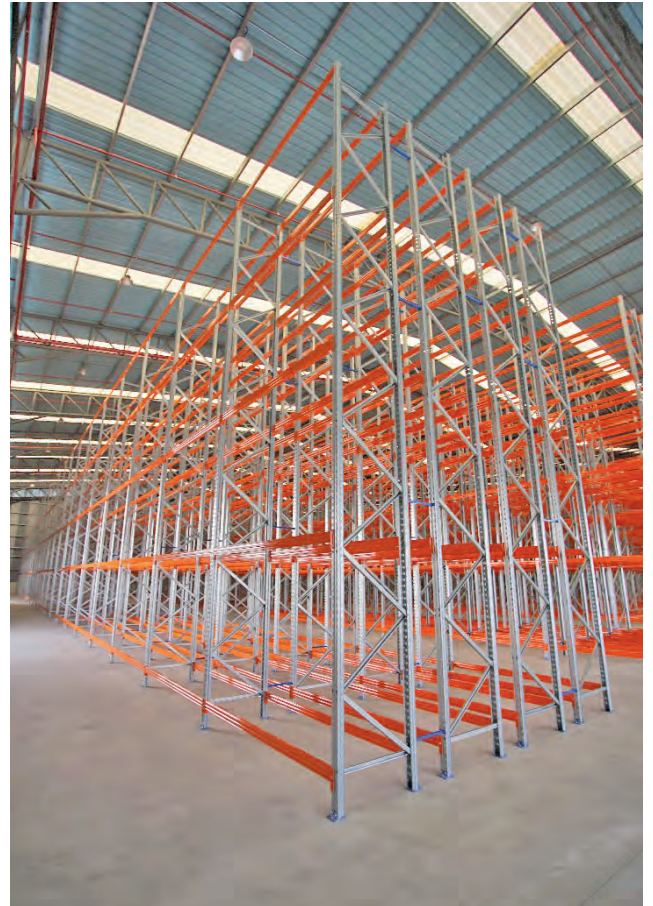


English ver.
[Click here](#)

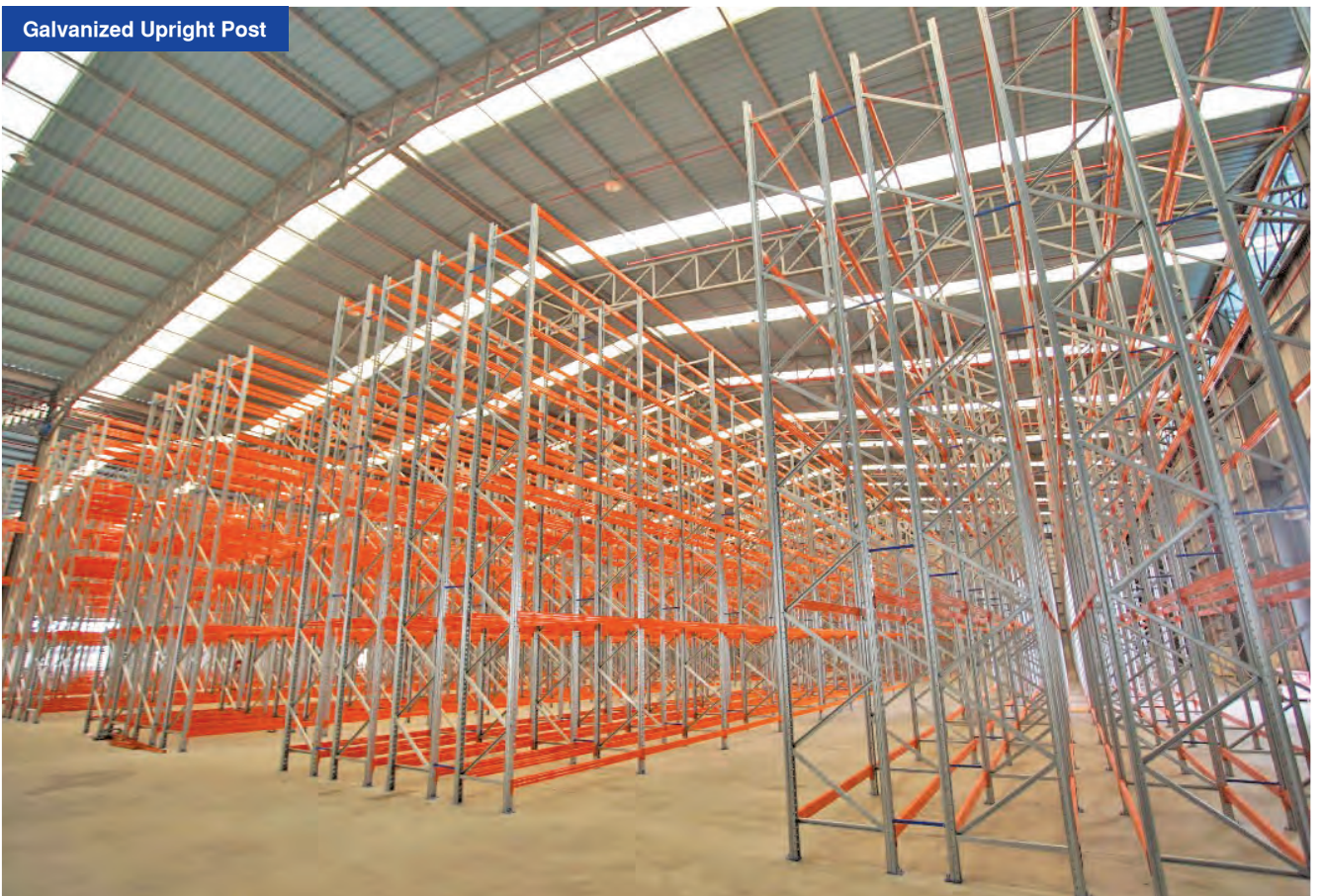


Chinese ver.
[Click here](#)





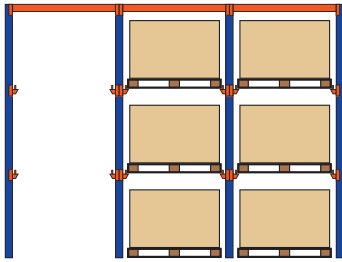
Galvanized Upright Post



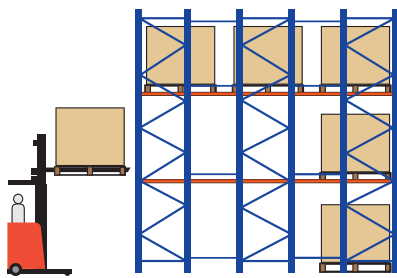
Drive-in Racking System



TTF Drive-in Racking System allows long term storage of same size goods. The design allows forklift trucks to be driven right into the centre of the block between any uprights on the front face for pallet retrieval. This is made possible because the design does not need cross beams that will block entry. The pallets are supported on the front to back edges by continuous rails cantilevered from the upright at each pallet level. Stock rotation is poor with a floor utilization capacity of 65%. Again, **TTF** versatility in fabricating rack systems according to customer required specifications make the **Drive-in Racking System** a formidable business solution. All safety aspects and product load specifications are formulated by 3D CAD software to suit customer's need.



FRONT VIEW



SIDE VIEW



Drive-in Racking C/W Top Flooring





TTF innovative **Heavy Duty Shelving C/W Mezzanine Floor** is a 2-in-1 solution in today's world where space is a premium. Perfect for commercial or industrial locations, the design optimizes vertical space and offers instant access to stock handling. The system is a rack-supported structure with versatile multi-tier application. The mezzanine floor system gives industry leaders an option to add an additional floor for staff upgrade and storage needs.



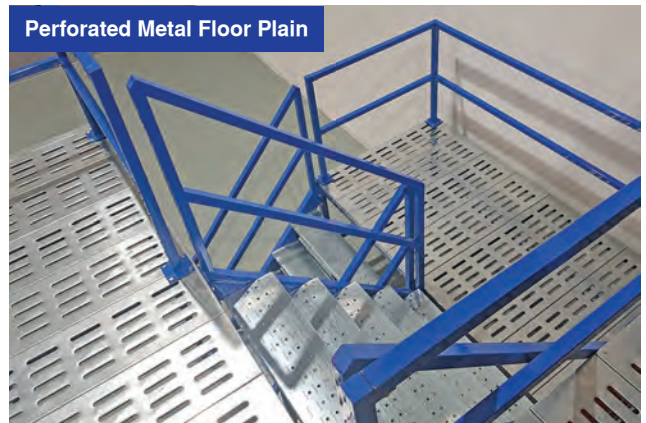
Multi-tier C/W Top Flooring



Mesh Fencing



Perforated Metal Floor Plain





Heavy Duty Shelving C/W Mezzanine Floor

Steel Grating



Metal Floor Plain



Plywood / HDF Board



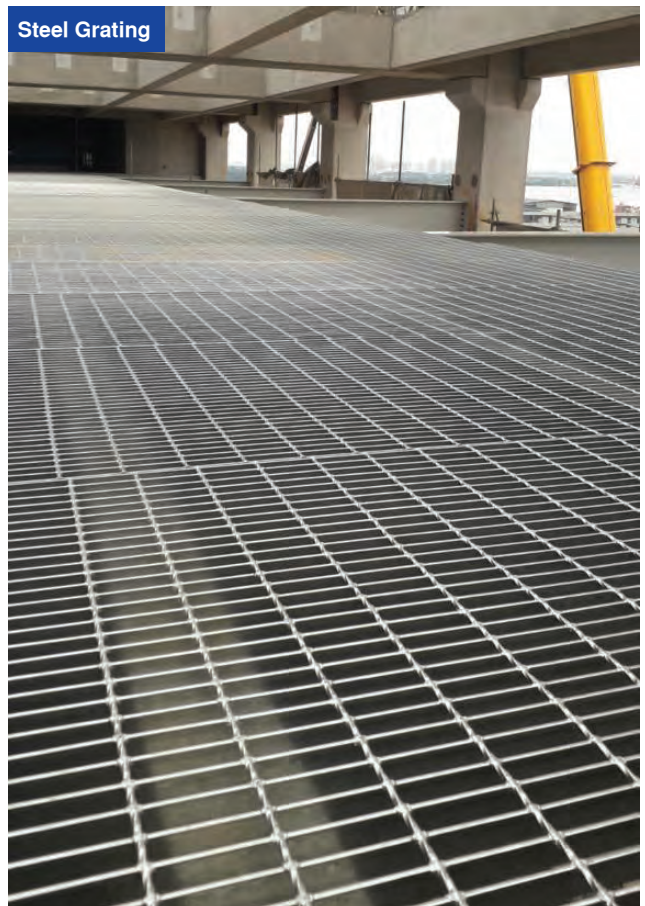
Cement Board



Perforated Metal Floor Plain

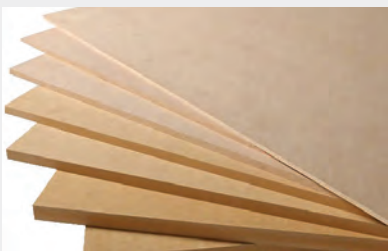


Steel Grating





Decking Material



HDF Board / Plywood



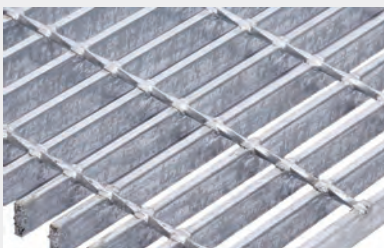
Cement Board



Metal Floor Plain



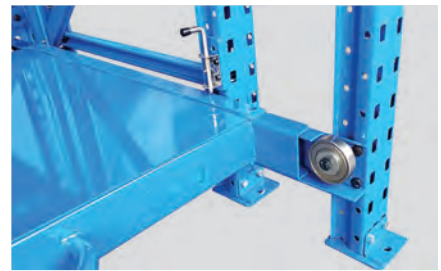
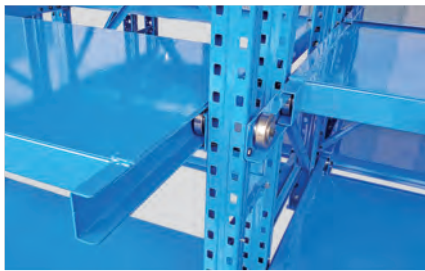
Perforated Metal Floor Plain



Steel Grating



Chequered Plate



TTF Mould Tool Rack are perfect for storing heavy goods such as modules, motor and tools. The mould tool racks have one-way pullout shelf along with sheet base panel for making the warehousing much simpler. Each rack loading capacity 800kg UDL / level.

Dimension: Height x Depth x Length x Shelf Levels

Height (mm)	800 / 2400
Depth (mm)	750 + 300 x 2 unit back to back
Length (mm) C/E	1500
Movable Shelf (mm)	770 x 1490 (3 Movable)
Shelf Level	4
Rack Outer Depth (mm)	2250
Rack Outer Length (mm)	3270
Loading Capacity (kg)	800 kg UDL / level
Colour	■ Frame Set ■ Beam

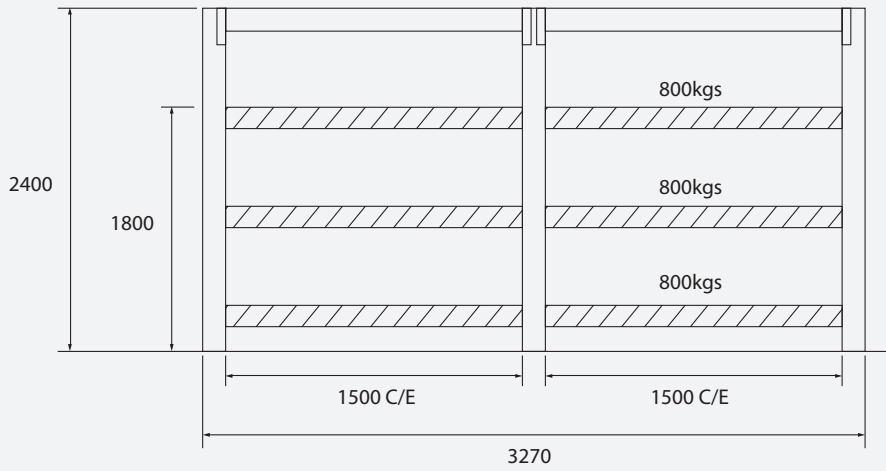
Size available in customized.



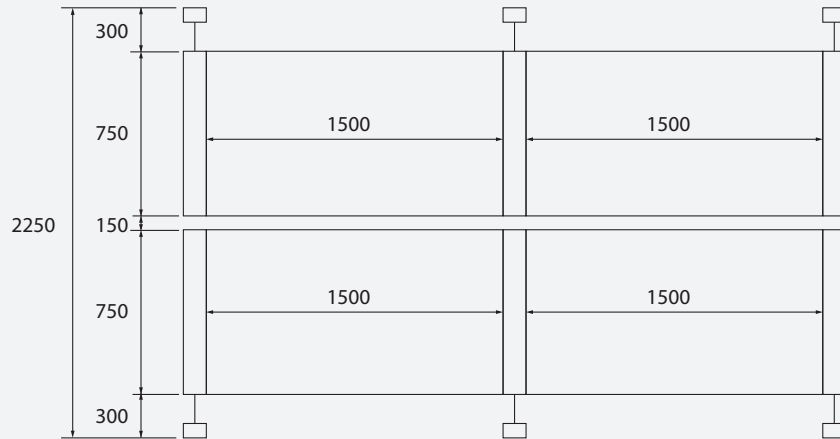
Scan the QR code for **Product Video** in our facebook page.

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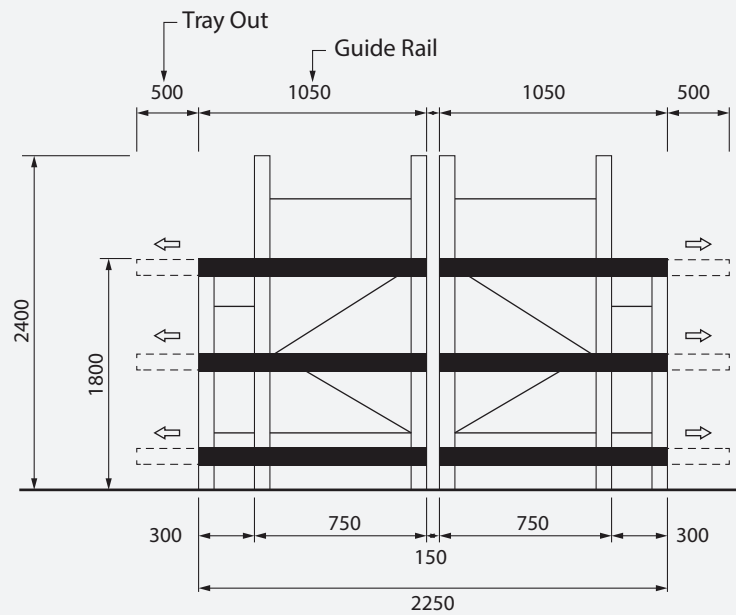
FRONT VIEW



TOP VIEW



SIDE VIEW





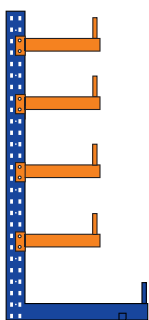
Dimension: Height x Width x Arm Length x Level

Height (mm)	1800	2100	2400	2700	3000	3300	3600
Depth (mm)	700	800	950	1000	1100	1200	
Length (mm)	600	750	900	1200			
Loading Capacity (kg)	100 kg - 500 kg UDL / level						
Colour	■ Bracing			■ Arm			

Remarks: medium duty specifications

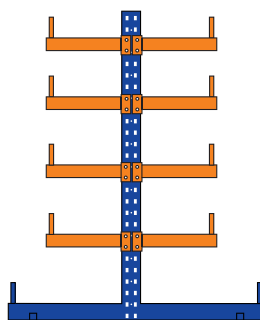
This system allows storage of long-length stock and is perfect for outdoor or indoor of goods facilities and work sites. **TTF Cantilever** accommodates the need for quick and easy height and width positioning of goods. A flexible solution for both double-sided and wall access applications, the system is an economical solution for storing long bars, wood, tubes, pipes and etc. Permanent stopper on storage arms ensure easy loading and safe goods storage. The cantilever arms can be placed at suitable levels for maximum utilization of vertical space.

SIDE VIEW



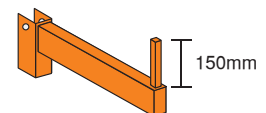
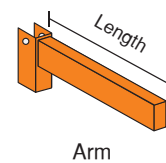
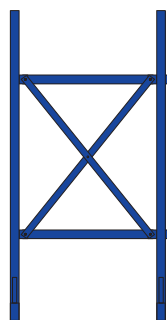
Single Sided

SIDE VIEW



Double Sided

FRONT VIEW



Arm with Stopper



Heavy Duty Cantilever C/W Top Flooring



Heavy Duty Cantilever Mezzanine



Medium Duty Single Sided Cantilever (100kg - 500kg)



Cantilever C/W Metal Shelving Plate with Divider



Universal Beam Heavy Duty Single Sided Cantilever (1000kg above)

Racking System Mezzanine Floor



TTF Racking System Mezzanine Floor was designed with simplicity and efficiency in mind. The Racking System Mezzanine Floor is made-up of SHS column and box beam type primary beam for life time safety and peace of mind. The system is ideal for maximum space usage to increase company profitability. Easily installed and dismantled without the need for on-site welding.





TTF Truss System Mezzanine Floor was designed with simplicity and efficiency in mind. The **Truss System Mezzanine Floor** is made-up of SHS column and Truss type support beam for life time safety and peace of mind. The system is ideal for maximum space usage to increase company profitability. Easily installed and dismantled without the need for on-site welding.

Multi-tier Truss System

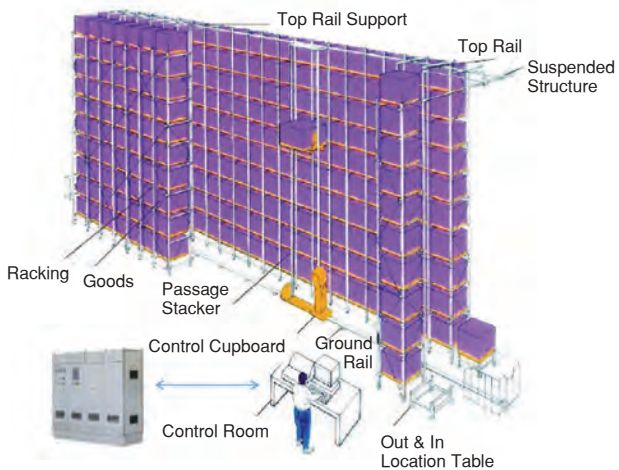
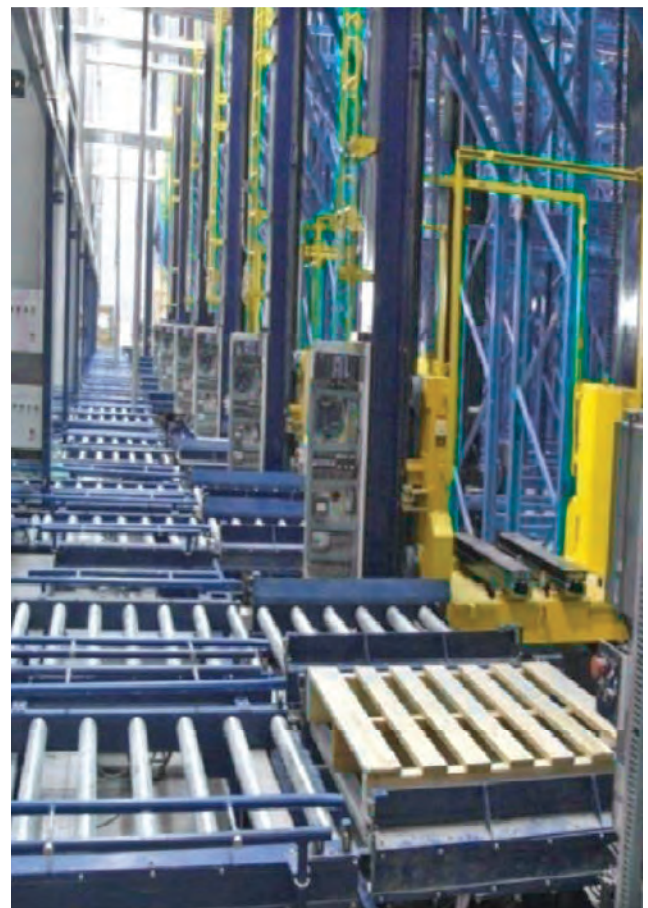


Decking material: Perforated Metal Floor Plain

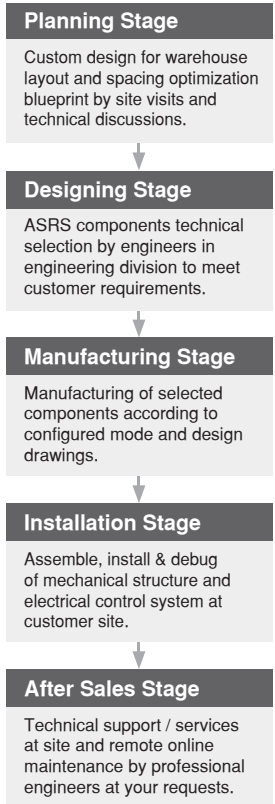
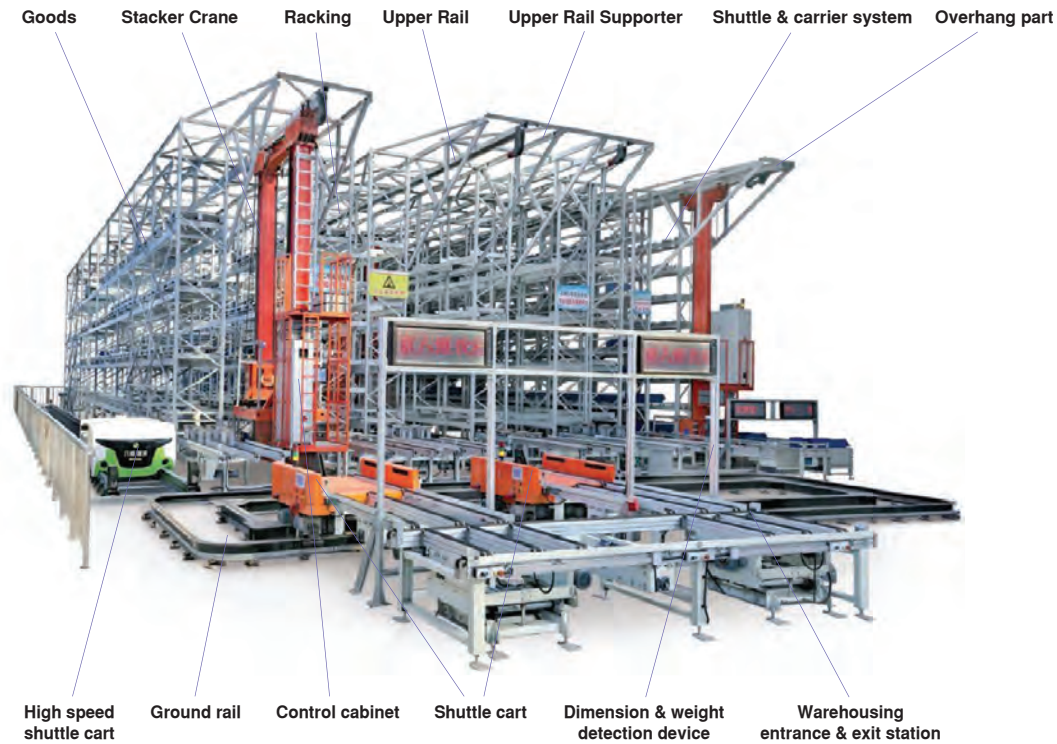




TTF AS/RS System consists of assembly racking and welding racking. Complimented by passage stackers, conveyor system and computer control system, it guarantees the fullest space utilization, handling mechanization and storage management modernization.



Custom Design System



Design Highlights



Racking System

- Optimized sectional design
- High quality steel material
- Pitch adjustable 75mm upright
- Strengthen by bolts & nuts
- High intensity & good stability
- Epoxy powder coated surface



Stacker System

- Operation control mode - Computer monitoring & controlling system
- Operator schema - Online auto / Manual / Maintenance mode
- Auto address mode - Laser / Rolling / Barcode addressing / Communication mode - Infrared / Wireless



Stacker Crane

- Single / Double mast structure
- Stable & reliable operation
- Vector frequency driver
- Encoder position controlling
- Real time tracing of pallets
- Touch screen easy operation



Conveyor System

- Roller conveyor
- Chain conveyor
- Lift & transfer conveyor
- Palletizing conveyor
- Depalletizing conveyor
- AVG lane conveyor
- Shuttle lane conveyor

ASRS Concept Structure

- Beams/ Bracket type racking with high steel quality for whole assembly structure.
- Steel pallet to load goods with strong loading capacity and better rigidity.
- Main components of racking being manufactured in high precision production.
- Installation done by certified engineers and technicians at site.

ASRS Benefit Highlights

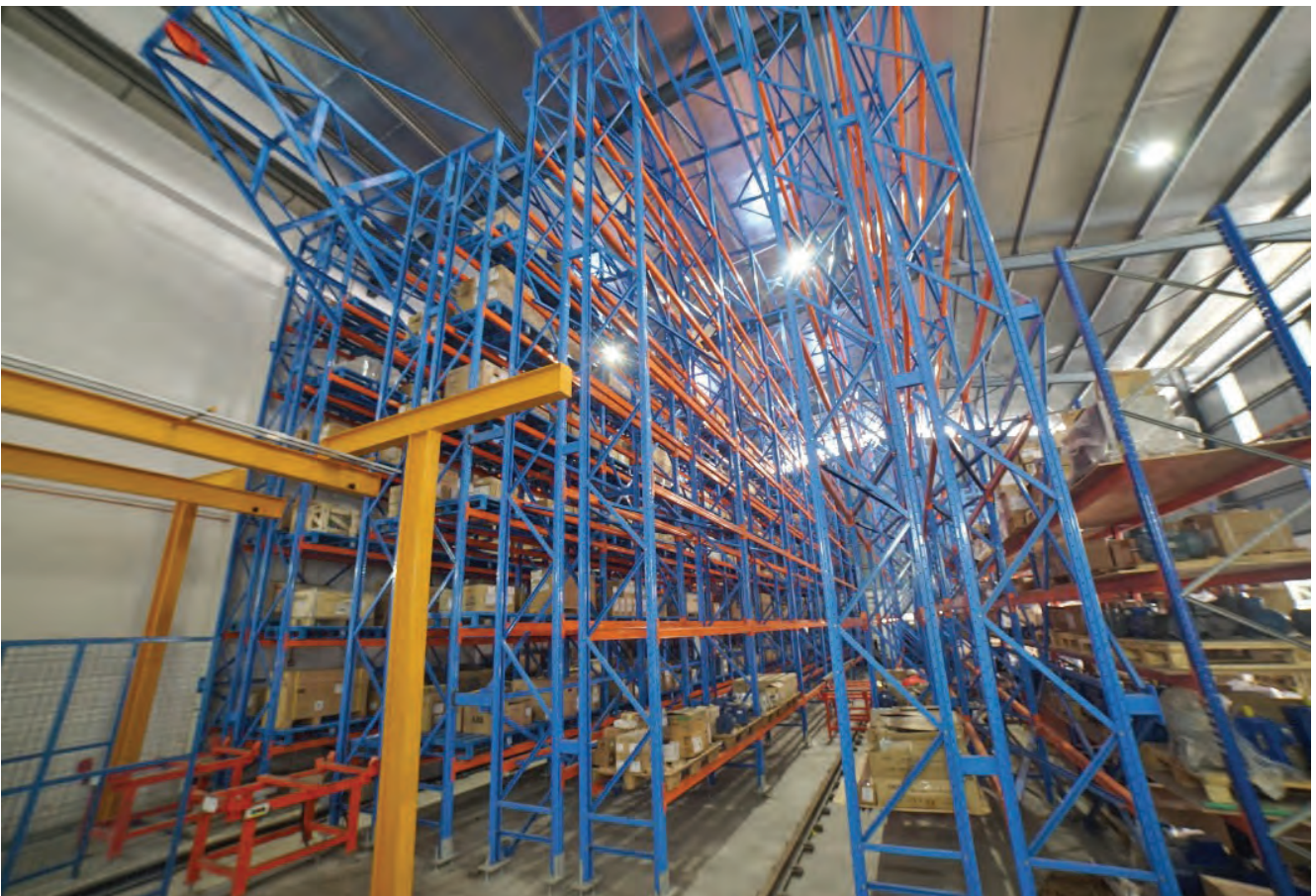
- ✓ High storage density degree vs space.
- ✓ Increased variety of goods stored.
- ✓ Micro warehouse cells stock check.
- ✓ Maximum store space utilization.
- ✓ High rise warehouse structure.
- ✓ Minimum land space utilization.
- ✓ High automatic operational speed.
- ✓ Minimum manual stock handling tasks.
- ✓ Minimum stock damages and losses.
- ✓ Application for Industry 4.0 implementation.
- ✓ Interface syncing with mainframe ERP / SAP.
- ✓ Auto database logs and ISO reporting formats.
- ✓ Real time inventory management.
- ✓ Increased inventory stock accuracy.
- ✓ Increased warehouse overall efficiency.
- ✓ Short ROI period of approximately 2 to 3 years.
- ✓ High rate of increased operation efficiency.
- ✓ Skilled workers development via technology.



Scan the QR code for **Product Video** in our facebook page.

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Automated Storage & Retrieval System (ASRS)





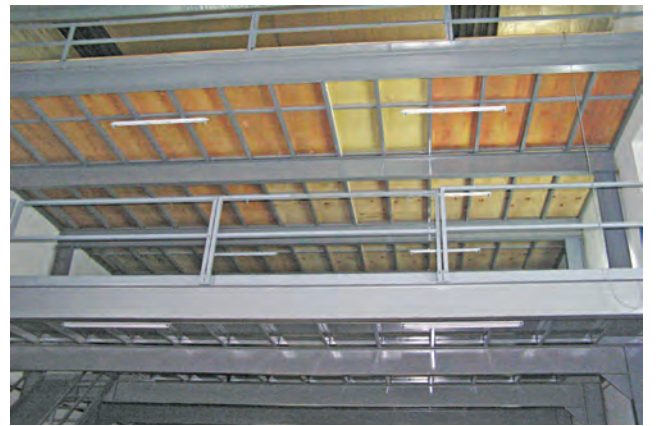
Steel Platform



Multi-tier Steel Platform System



With an extremely popular trend of utilizing critical space by architects and builders, **TTF Steel Platform** provides the missing link to space-saving puzzles. Extremely strong and meeting all building safety requirements, the Steel Platform is a popular choice for many applications in permanent warehousing, medium scale factories and even amusement park application. Our **Steel Platform** design is built with a solid universal beam that is longer, requiring less column supports. Top flooring can be made of plywood or mild steel plate.



Multi-tier Steel Platform System

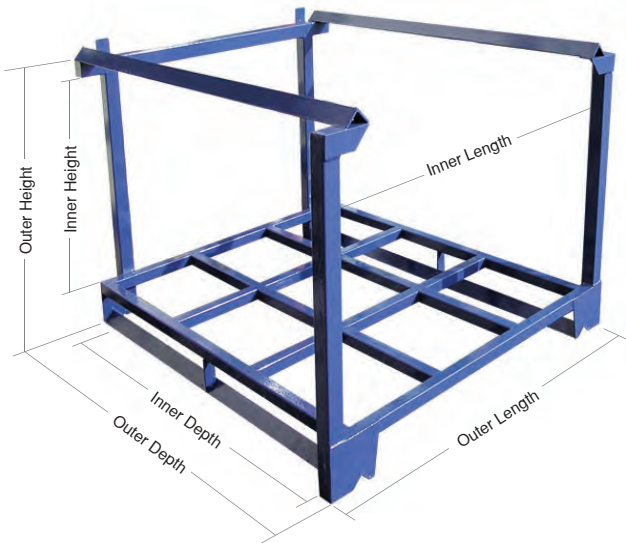


PALLET TAINERS & STORAGE BOXES

Page 93 - 99

IDEAL FOR SPACE





Loading capacity: 1000kg / 1500kg



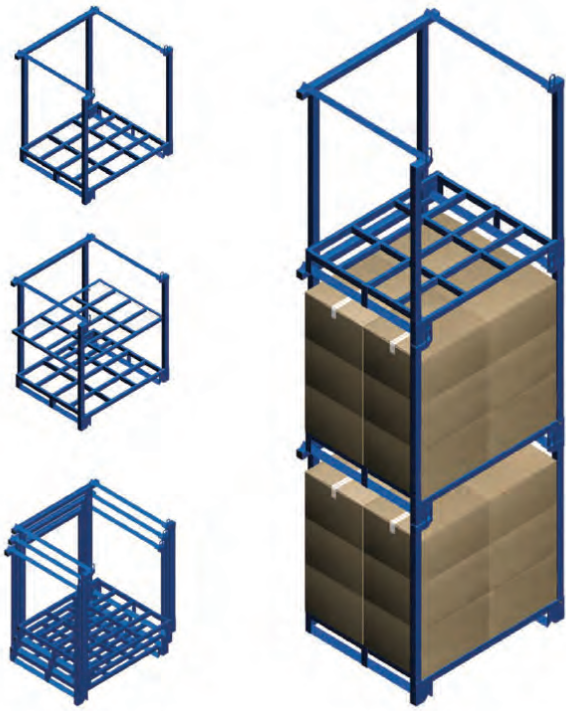
Detachable Pallet Cages
Loading capacity: 1000kg

TTF Pallet Cages is specially designed to withstand the load of medium weight loading items.

Product Code	Dimension Inner H x D x L (mm)	Dimension Outer H x D x L (mm)	Post	Base	Guide Rail	Front Plate	Finishing	Loading Capacity (kgs)	Colour & Decking Material	Stackable
PC 1	1400 x 1050 x 1250	1640 x 1100 x 1350	1.9mm thickness x 50x50mm SHS	1.6mm thickness x 38x38mm SHS or 1.6mm thickness x 50x50mm SHS	4mm thickness x 50x50mm Angle Bar	3mm thickness MSP	Glossy Paint	1000 or 1500	Available Customise	Max. 3
PC 2	1800 x 1050 x 1250	2040 x 1100 x 1350								
PC 3	1400 x 1200 x 1200	1640 x 1250 x 1300								
PC 4	1800 x 1200 x 1200	2040 x 1250 x 1300								
PC 5	1400 x 1300 x 1300	1640 x 1350 x 1400								
PC 6	1800 x 1300 x 1300	2040 x 1350 x 1400								
PC 7	1000 x 1150 x 1250	1240 x 1200 x 1350								
PC 8	1200 x 1150 x 1250	1440 x 1200 x 1350								
PC 9	1000 x 1150 x 1350	1240 x 1200 x 1450								
PC 10	1200 x 1150 x 1350	1440 x 1200 x 1450								
PC 11	1000 x 1150 x 1450	1240 x 1200 x 1550								
PC 12	1200 x 1150 x 1450	1440 x 1200 x 1550								

Special size available on request.





1000 - 1500kgs / unit

Special made
Design for stack 4 pallet cages.



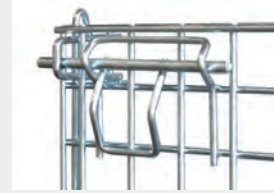


Iron Man Pallet Mesh is handy, convenient, cost efficient in the sense that they are portable, durable, collapsible, stackable, prevent costly product being easily damaged associated with bulk stacking and provide product identification with increase stock control efficiency. In addition, it also provide us better space utilization and promote better material flow cum handling.

Code	PM 3	PM 5	PM 7	PM 9
Height (mm)	650	840	900	1000
Width (mm)	600	805	1000	1200
Length (mm)	805	1000	1200	1400
Loading capacity (kg)	800	1200	1500	1000
Number of layer	4			
Pitch (mm)	50			
Wire diameter (mm)	6.0			
Legs height (mm)	100			
Volume M ³	0.22	0.52	0.84	1.36



Product Features



Rectangle ear lock



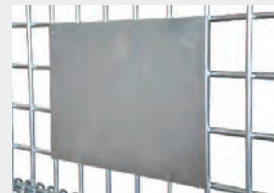
3mm thickness metal clamp



Emboss logo on leg



Reinforce steel wired in u-channel beam enhance stability.



Edge folded metal plate



Nestable



IRON MAN™



Accessories



Pallet Mesh Top Cover

- PMTC 3** 610(W) x 805(L) mm
- PMTC 5** 760(W) x 900(L) mm
- PMTC 7** 1100(W) x 960(L) mm
- PMTC 9** 1150(W) x 1300(L) mm

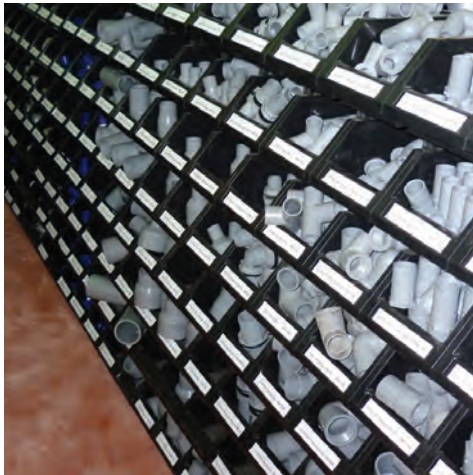


Fitting of heavy duty castor wheel



Stackable

TTF Multi Tool Box are the ideal way to store small fiddly components in a neat orderly manner, the **Multi Tool Box** can be fitted by attachment plastic pin to stocked on top of one another, available in 6 sizes for different application.



Code	MTB 1188
Size (mm)	60H x 92W x 130L
Colours	



Code	MTB 1288
Size (mm)	82H x 120W x 180L
Colours	



Code	MTB 1588
Size (mm)	120H x 150W x 250L
Colours	



Code	MTB 1600
Size (mm)	135H x 200W x 300L
Colours	



Code	MTB 1688
Size (mm)	140H x 245W x 355L
Colours	



Code	MTB 1988
Size (mm)	175H x 295W x 480L
Colours	

Material made:
Polypropylene Comopolymer



Code	MTBK 1200
Size (mm)	85H x 123W x 180L
Colours	



Code	MTBK 1500
Size (mm)	125H x 158W x 260L
Colours	

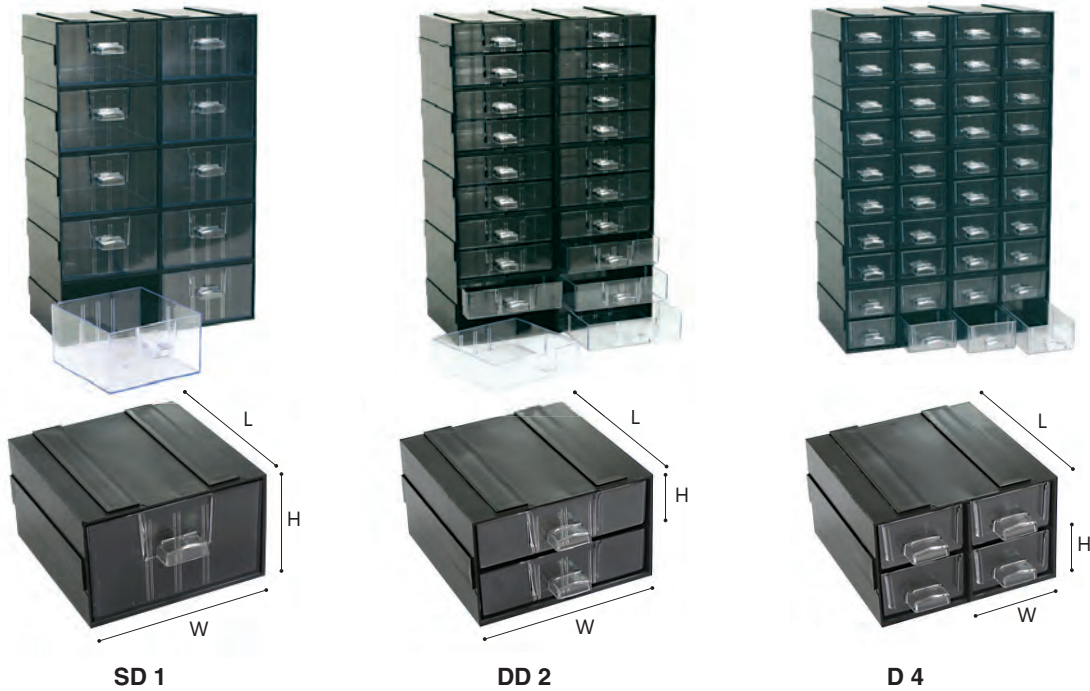
Material made:
Polypropylene Homopolymer (SM6331)
& Impact Copolymer (EPC40R)





Trolley Boltless Rack + Multi Tool Box

Multi Box



TTF Multi Box is perfect for loose items like screws, pins and etc. Its is available in 4 sizes for easy organization of small parts.

Product Code	SD 1	DD 2	D 4
Drawer Size H x W x L (mm)	80 x 139 x 144	39 x 138 x 138	39 x 68 x 138
Overall Box Size H x W x L (mm)	89 x 145 x 150		
Colours	Black		
Material	ABS & PS		

Storage Carton Box



It is understandable that particularly in a company, amount of files could be massive and if without proper arrangement and storage, it will be kind a troublesome when there's a need to find back certain files. Hence, **TTF Storage Carton Box** with 2 sizes best cater and resolve such problem as the files are stored neatly in different boxes based on types of documents. In other words, it helps in 'segregating' and 'categorizing' files for easier storing and taking of files needed. With this, the working productivity could possibly achieved with minimal time wastage.

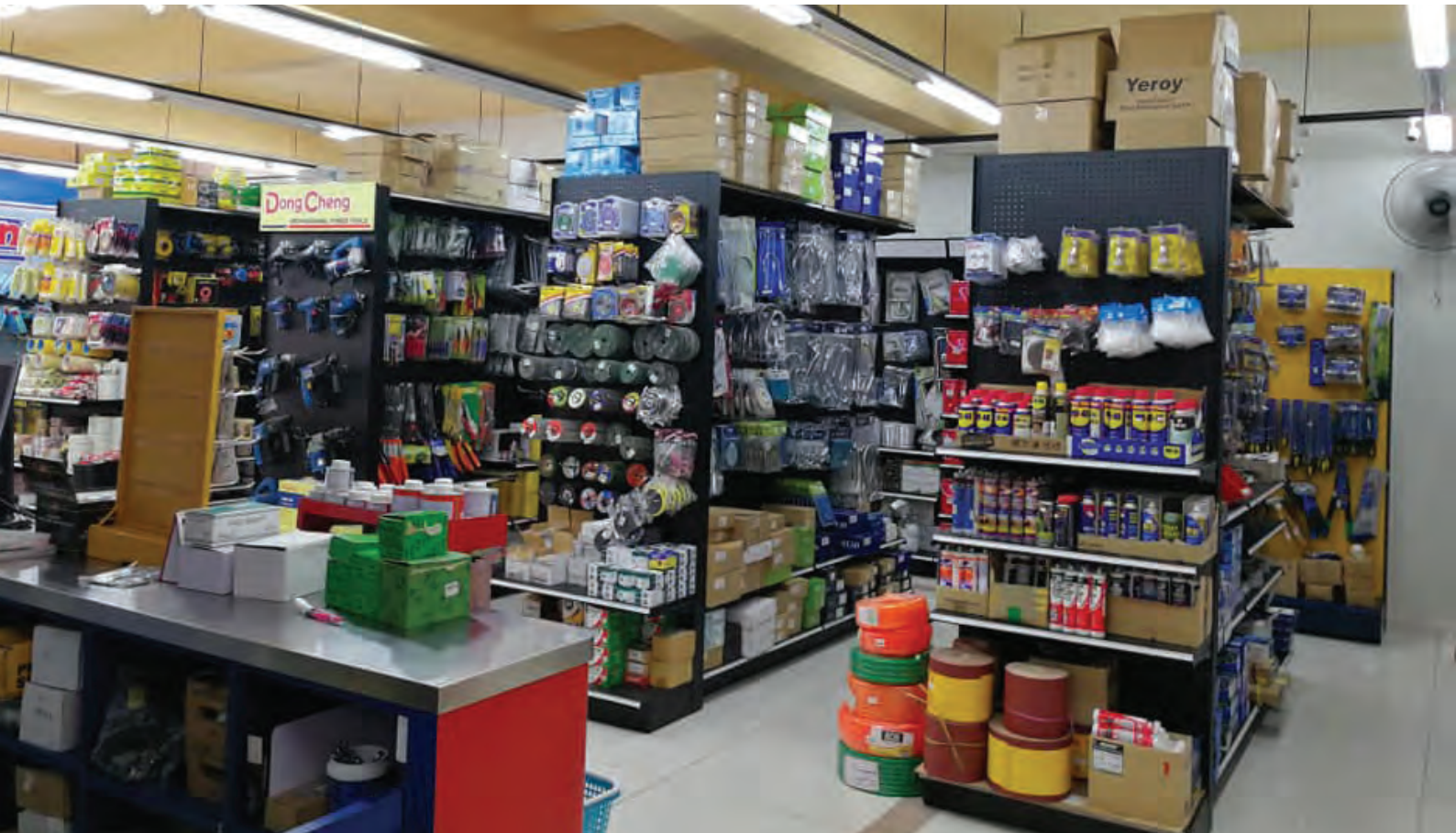
Product Code	SCB 2932	SCB 3333
H x W x L (mm)	310 x 330 x 410	310 x 360 x 465
Loading Capacity (kg)	12	15
Arch File Size (mm)	Arch File Quantity	
70 x 280 x 290	5pcs	6pcs
70 x 280 x 350	4pcs	6pcs

RETAIL DISPLAY & EQUIPMENTS

Page 105 - 130

IDEAL FOR SPACE





Island Gondola



Wall Gondola



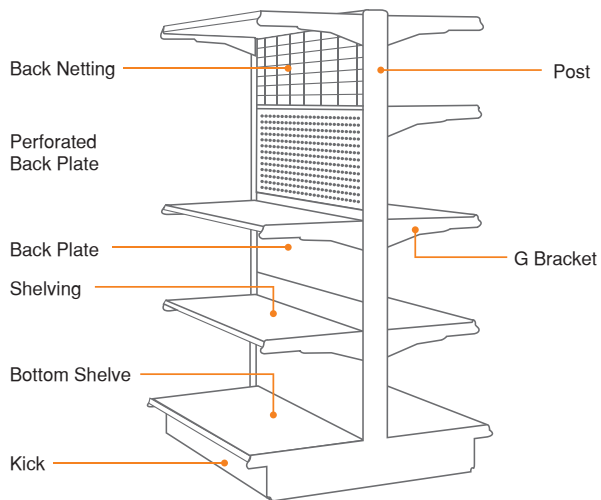
End Gondola



(White Colour)

TTF has embarked on producing extremely functional gondolas for display of fast-moving consumer goods (FMCG). Made of durable metal plates, can function with the addition of TTF designed gondola basket to suit the needs of supermarket facilities.

Height (mm)	1192	1492	1792	2092	2392
Depth (mm)	342 (Shelving) , 400 (Bottom Shelf)				
Length (mm)	905 , 1210 (dimension of shelf exclude upright)				
Back Cover	Metal Plate / Metal Perforated / Netting				
Decking Material	Metal Shelving Plate				
Loading Capacity (kg)	60kg UDL / Shelf				
Colour	□ White , ■ Black				



Gondola Shelving System





Mini Gondola Shelving System



TTF has embarked on producing extremely functional gondolas for display of fast-moving consumer goods (FMCG). Made of durable metal plates, can function with the addition of **TTF** designed gondola basket to suit the needs of supermarket facilities.

Height (mm)	1192	1492	1792	2092	2392
Depth (mm)	245 (Shelving) , 245 (Bottom Shelf)				
Length (mm)	605 , 905 , 1210 (dimension of shelf exclude upright)				
Back Cover	Metal Plate / Metal Perforated / Netting				
Decking Material	Metal Shelving Plate				
Loading Capacity (kg)	60kg UDL / Shelf				
Colour	□ White , ■ Black				



Mini Gondola Shelving System

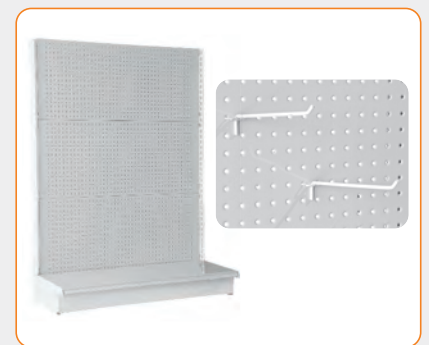




Fixtures & Accessories



- Light Box Header 900**
LBH900WH • 145H x 350D x 900L (mm) • White
- Light Box Header 1200**
LBH1200WH • 145H x 350D x 1200L (mm) • White
- Single Book Shelf 900**
BS900x1WH • 225H x 130D x 900L (mm) • White
- Single Book Shelf 1200**
BS1200x1WH • 225H x 130D x 1200L (mm) • White
- Double Book Shelf 900**
BS900x2WH • 320H x 205D x 900L (mm) • White
- Double Book Shelf 1200**
BS1200x2WH • 320H x 205D x 1200L mm • White
- Triple Book Shelf 900**
BS900x3WH • 410H x 275D x 900L (mm) • White
- Triple Book Shelf 1200**
BS1200x3WH • 410H x 275D x 1200L (mm) • White



Perforated Back Plate

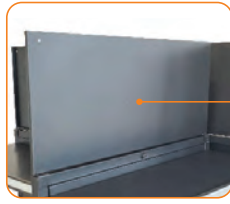


Gondola Side Mesh with Bracket
GSM • 1100H x 130D x 460L (mm) • White

4 Way Gondola Shelving System

4 Way Advertising Plate c/w U Clip (Optional)

Code: FWA300640-BK
Size: H300 x L640mm



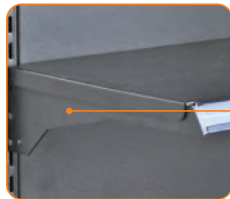
4 Way Frame

Code: FWF1500635-BK
Size: H1500 x W635mm



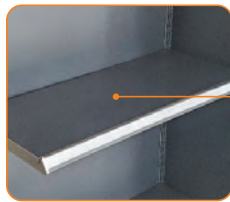
4 Way G Bracket

Code: FWGB-BK



Shelving-mini

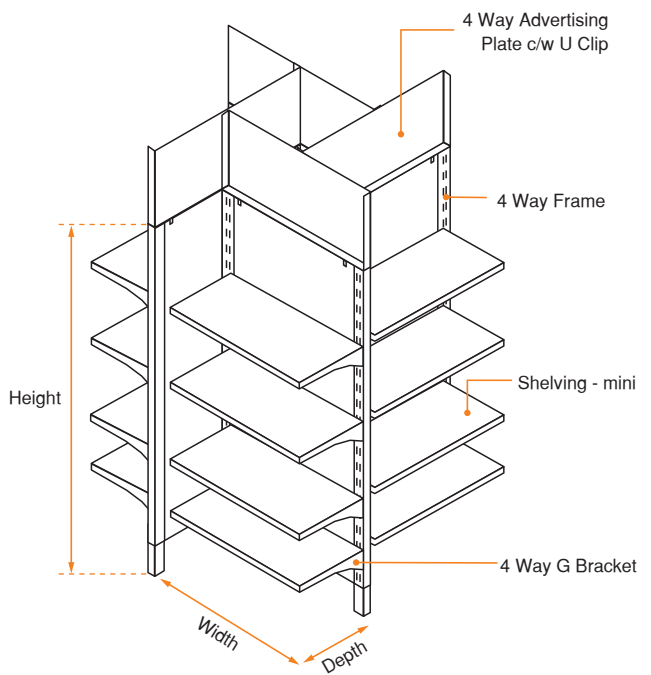
Code: S1024M-BK

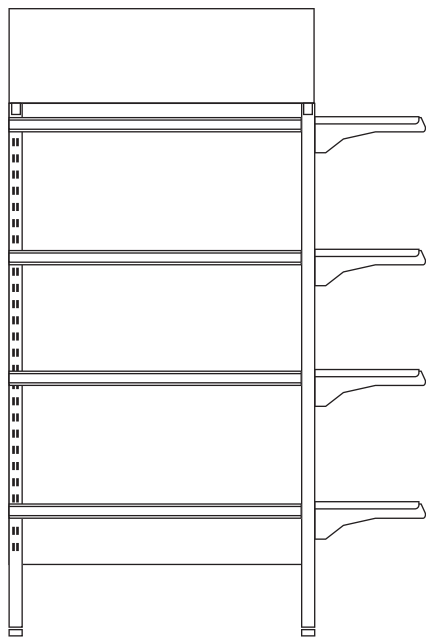


TTF 4 Way Gondola attractively showcase a lot of product without monopolizing your valuable sales floor space.

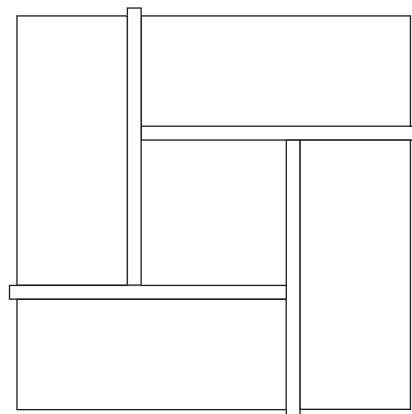
These 4 Way Gondola's efficiently showcase similar or different products in proximity to one another, while the 360 degree design engages your customers.

Height (mm)	1500
Width (mm)	600 (shelving)
Depth (mm)	245 (dimension of shelf exclude upright)
Back Cover	Metal Plate
Decking Material	Metal Shelving Plate
Loading Capacity (kg)	60kg UDL / Shelf
Colour	■ Black , □ White





FRONT / SIDE VIEW

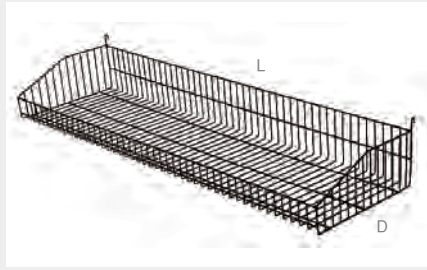


TOP VIEW



Gondola Basket

GB3 • 345D x 911L (mm) • White • Black
GB4 • 345D x 1211L (mm) • White • Black



Gondola Basket

GB3A • 345D x 911L (mm) • Black • White
GB4A • 345D x 1211L (mm) • Black • White



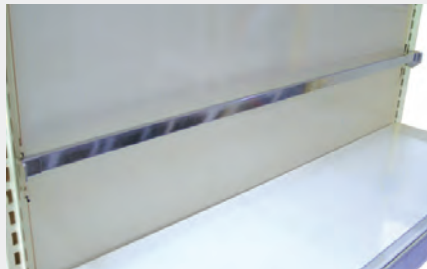
Mini Gondola Basket

MGB3 • 260D x 900L (mm) • Black • White
MGB4 • 260D x 1200L (mm) • Black • White



Chrome Bar Bracket

CHLB • Chrome Left Bar Bracket
CHRB • Chrome Right Bar Bracket



Chrome Bar

CHB 600 • 25H x 12.5W x 600L (mm)
CHB 900 • 25H x 12.5W x 900L (mm)
CHB 1200 • 25H x 12.5W x 1200L (mm)



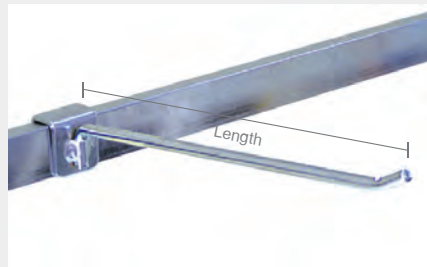
Chrome Bar Bracket - AA

CHLB-AA • Chrome Left Bracket (L)
CHRB-AA • Chrome Right Bracket (R)



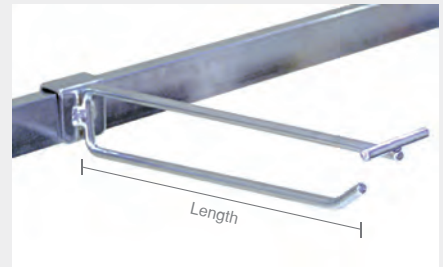
Chrome Bar Bracket with Screw

CHLB-AAS • Chrome Left Bar Bracket with Screw (L)
CHRB-AAS • Chrome Right Bar Bracket with Screw (R)



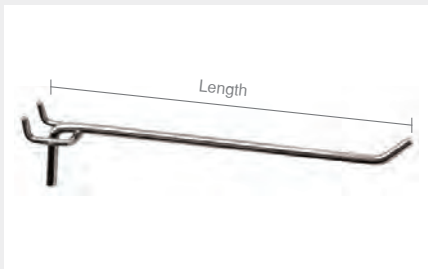
Chrome Single Bar Hook

CHSH • Length (In.) 6", 8", 10", 12"



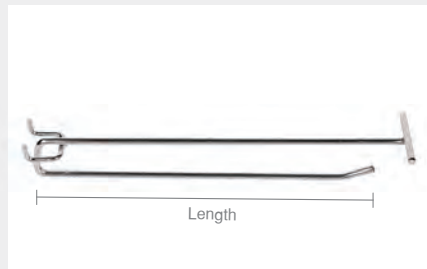
Chrome Double Bar Hook

CHDH • Length (In.) 6", 8", 10", 12", 14"



Chrome Pry Hook

CHPH • Length (In.) 4", 6", 8", 10", 12"



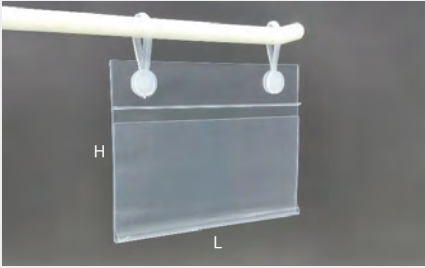
Chrome Pry Double Hook

CHPDH • Length (In.) 6", 8", 10", 12"



PVC Ticket Holder

TH60 • 39H x 60L (mm)



PVC Price Tag Label Holder

TH80H • 60H x 80L (mm)
TH100H • 60H x 100L (mm)



Wire Divider

WD3 • 50H x 890L (mm)
WD4 • 50H x 1190L (mm)



Plastic Divider

PD2 • 50H x 598L (mm)
PD3 • 50H x 895L (mm)
PD4 • 50H x 1195L (mm)



Data Strip

DTS2 • 42H x 598L (mm) • Black • White
DTS3 • 42H x 895L (mm) • Black
DTS4 • 42H x 1195L (mm) • Black



Display Hook Lock

DHL5WH • Inner Diameter 5 (mm) • White
DHL5RD • Inner Diameter 5 (mm) • Red
DHL6WH • Inner Diameter 6 (mm) • White
DHL6RD • Inner Diameter 6 (mm) • Red



Display Hook Magnetic Key

DHMK



A5 Table Poster Sign Holder

A5S • Frame Size 210 x 148,5 (mm) • Adjustable Height 300 - 600 (mm) • White Frame



A4 Table Poster Sign Holder

A4S • Frame Size 210 x 297 (mm) • Adjustable Height 300 - 600 (mm) • White Frame



A3 Table Poster Sign Holder

A3S • Frame Size 297 x 420 (mm) • Adjustable Height 300 - 600 (mm) • White Frame



A4 Basket Sign

A4BS • Frame Size 210 x 297 (mm) • Pole Length Extendable from 300 - 500mm • Aluminium + Spring material • White Frame



Sign Card Display Clip Holder

CP01C • 110H (mm)
CP02C • 160H (mm)



Table PVC Sign Card Display Clip Holder

CP03T • 100H (mm)
CP04T • 150H (mm)



Table Metal Sign Card Display Clip Holder
CP05T • Adjustable Height 370 - 600 (mm)



Magnetic Price Tag Holder
CP06M • 45H x 70W (mm)



Magnetic Poster Display Clip L-Holder
CP07M • Adjustable Height 375 - 645 (mm)



Table Poster Display T-Holder
CP08T • Adjustable Height 470 - 740 (mm)



Magnetic Poster Display Clip T-Holder
CP09M • Adjustable Height 220 - 820 (mm)



Poster Display Clip T-Holder
CP10C • Adjustable Height 220 - 860 (mm)



Sign Card C/W Display Clip
CP11C • Height 150 (mm) • Yellow • Red • White • Black



Sign Card Display Clip Holder
CP12C • Height 180 (mm) • Yellow • Red • White • Black



L-Type Floor Stand Poster Display
LS • Adjustable Height 1346 - 2489 (mm)



Vege Basket
B1523 • 200H x 590W x 380D (mm) • Green



Stretch Film (Grade A)
SF (Regular) • 500H (mm) • 2.4kgs
MSF (Mini) • 100H (mm) • 330g



Wire Rod Data Holder
DTF3 WR • Length 870 (mm) • White
DTF4 WR • Length 1180 (mm) • White
DTF4 WR-B • Length 1180 (mm) • Transparent



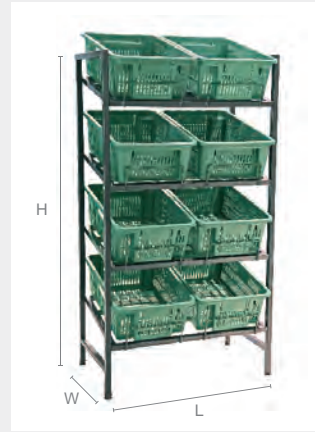
Vege Rack with 6 Baskets

VGR6B • 2090H x 830D x 1220L (mm) • Remarks: Included 6pcs green basket + 4 pcs swivel castor c/w 75 mm PP wheel



Vege Rack with 4 Baskets

VGRS4B • 1500H x 355W x 595L (mm) • Remarks: Included 4pcs green basket



Vege Rack with 8 Baskets

VGRS4B • 1500H x 480W x 820L (mm) • Remarks: Included 8pcs green basket



Square Tower Stand

STS • 1200H x 350D x 350W (mm) • 5 Layer • Black



PVC Promotion Counter

PPTC
Graphic size (mm)
Header 290H x 795W
Front panel 800H x 810W
Side panel 800H x 390W
Back panel 800H x 100W



Eco Bunting Stand

EBS • Height 7' (Adjustable)



Poster Stand

PS • Silver & Black



Aluminium Zig Zag Brochure Stand

ZBS • Height: 1530 (mm) • (6 Display in A4 size)



Tripod Bunting Stand

TBS • Height 7' (Adjustable)



Adjustable Height Double Sided Poster Stand

ADPS 02
Quick & easy to assemble
Adjustable height up to 2 meter
It can use as poster board display & menu board. It can be use as a mini backdrop



PVC snap clip bar 800mm with hanging chain

PSCB 800
• Length 800 (mm) • Translucence



Steel Hanging Chain 250mm

SHC 250
• Length 250 (mm)

Lift Stick 30mm

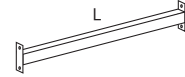
LS 30
• Diameter Ø30 (mm)

Minso Wall Wooden Display Rack w/o Back Cover



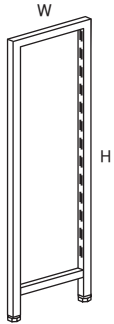
JCBB-M812ZP

Code : JCBB Screw
M8 x 12mm (ZP)

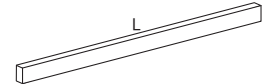


Minso Frame Joint

Code : WDR-FJ870-BK
Size (mm) : L870
Code : WDR-FJ1170-BK
Size (mm) : L1170



Pitching adjustable: 25mm



Minso Square Bar

Code : WDR-SB880-BK
Size (mm) : L880
Code : WDR-SB1180-BK
Size (mm) : L1180

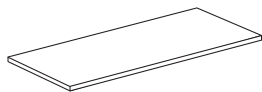
Minso Rectangle Frame

Code : WDR-RF1500355-BK
Size (mm) : H1500 x W355
Code : WDR-RF1800355-BK
Size (mm) : H1800 x W355
Code : WDR-RF2100355-BK
Size (mm) : H2100 x W355
Code : WDR-RF2400355BK
Size (mm) : H2400 x W355



Minso Teeth Bracket

Code : WDR-TB-BK



16mm Melamine Board

Code : 16MB 295895
Size (mm) : 295 x 895
Code : 16MB 2951195
Size (mm) : 295 x 1195
Colour : TTF Light Brown



SWL32-M825

Code : Screw Leg
OD32 x M8 x 25
(20 line)



Loading capacity: 60kg / Level

Optional



Minso Shelving

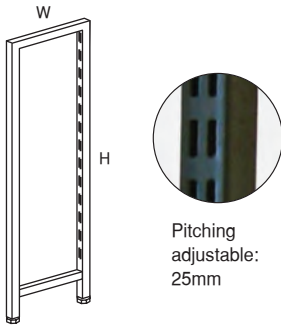
Code : WDR-S250896-BK
Size (mm) : W250 x L896
Code : WDR-S2501196-BK
Size (mm) : W250 x L1196



Minso Flat Bracket

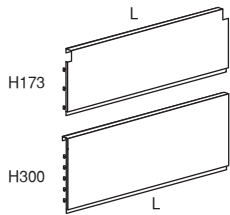
Code : WDR-FB-BK

Minso Wall Wooden Display Rack with Back Plate



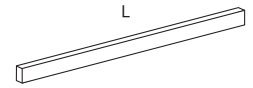
Minso Rectangle Frame

Code : WDR-RF1500355-BK
 Size (mm) : H1500 x W355
 Code : WDR-RF1800355-BK
 Size (mm) : H1800 x W355
 Code : WDR-RF2100355-BK
 Size (mm) : H2100 x W355
 Code : WDR-RF2400355BK
 Size (mm) : H2400 x W355



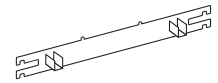
Minso Back Plate

Code : WDR-BP1731188-BK
 Size (mm) : H173 x L1188
 Code : WDR-BP3001188-BK
 Size (mm) : H300 x L1188
 Code : WDR-BP173888-BK
 Size (mm) : H173 x L888
 Code : WDR-BP300888-BK
 Size (mm) : H300 x L888



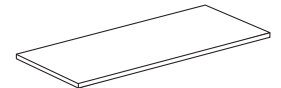
Minso Square Bar

Code : WDR-SB880-BK
 Size (mm) : L880
 Code : WDR-SB1180-BK
 Size (mm) : L1180



Minso Teeth Bracket

Code : WDR-TB-BK



16mm Melamine Board

Code : 16MB 295895
 Size (mm) : 295 x 895
 Code : 16MB 2951195
 Size (mm) : 295 x 1195
 Colour : TTF Light Brown

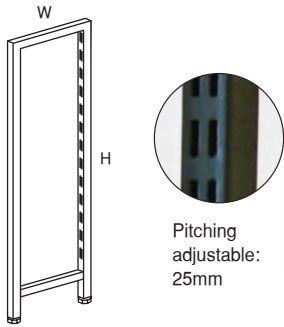


SWL32-M825

Code : Screw Leg
 OD32 x M8 x 25
 (20 line)

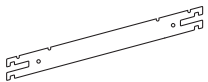
Loading capacity: 60kg / Level

Minso Wall Metal Display Rack with Back Plate



Minso Rectangle Frame

- Code : WDR-RF1500355-BK
Size (mm) : H1500 x W355
- Code : WDR-RF1800355-BK
Size (mm) : H1800 x W355
- Code : WDR-RF2100355-BK
Size (mm) : H2100 x W355
- Code : WDR-RF2400355BK
Size (mm) : H2400 x W355



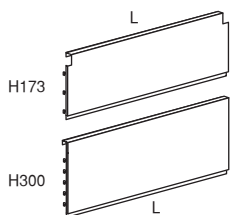
Minso Flat Bracket

- Code : WDR-FB-BK



Minso Shelving

- Code : WDR-S2501196-BK
Size (mm) : W250 x L1196
- Code : WDR-S250896-BK
Size (mm) : W250 x L896
- Code : WDR-S243663-BK
Size (mm) : W243 x L663



Minso Back Plate

- Code : WDR-BP1731188-BK
Size (mm) : H173 x L1188
- Code : WDR-BP3001188-BK
Size (mm) : H300 x L1188
- Code : WDR-BP173888-BK
Size (mm) : H173 x L888
- Code : WDR-BP300888-BK
Size (mm) : H300 x L888

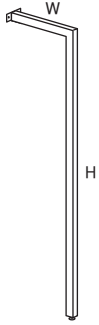


SWL32-M825

- Code : Screw Leg
OD32 x M8 x 25
(20 line)

Loading capacity: 60kg / Level

Minso L Wall Wooden Display Rack Empty Back



Minso L Stand

- Code : WDR-LS2100355-BK
Size (mm) : H2100 x W355
- Code : WDR-LS2400355-BK
Size (mm) : H2400 x W355
- Code : WDR-LS2700355-BK
Size (mm) : H2700 x W355
- Code : WDR-LS3000355-BK
Size (mm) : H3000 x W355



Pitching adjustable: 25mm



Minso G Bracket

- Code : WDR-GBL-BK (Left)
- Code : WDR-GBR-BK (Right)



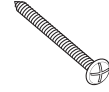
SWL32-M825

- Code : Screw Leg
OD32 x M8 x 25 (20 line)



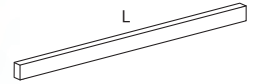
PVC Wall Plug

- Code : PVCWP



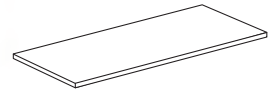
Tapping Screw Flat Head M10x50

- Code : TSFH1050



Minso Square Bar

- Code : WDR-SB880-BK
Size (mm) : L880
- Code : WDR-SB1180-BK
Size (mm) : L1180



16mm Melamine Board

- Code : 16MB 295895
Size (mm) : 295 x 895
- Code : 16MB 2951195
Size (mm) : 295 x 1195
- Colour : TTF Light Brown

Loading capacity: 60kg / Level

Minso Island Wooden Display Rack

Minso Back Plate Half
(WDR-BPH)

Minso Frame
(WDR-F)



Pitching adjustable: 25mm

Minso Square Bar
(WDR-SB)

Minso Bottom
(WDR-B)



Minso Advertising Plate c/w U Clip
(WDR-A)

Minso Island G Bracket
(WDR-IGB)

16mm Melamine Board
(16MB)

Minso Back Netting Full
(WDR-BNF)

Minso Cabinet
(WDR-C)

Screw Leg
(SWL32-M825)

Loading capacity: 60kg / Level

Minso Island Wooden Display Rack with Back Plate

Minso Back Plate
(WDR-BP)

Minso Frame c/w Plate
(WDR-FP)



Pitching adjustable: 25mm

Minso Square Bar
(WDR-SB)

16mm Melamine Board
(16MB)

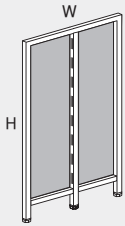


Minso Island G Bracket
(WDR-IGB)

Screw Leg
(SWL32-M825)

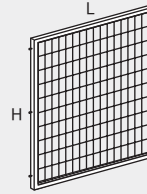
Loading capacity: 60kg / Level

Minso Island Wooden Display Rack Parts List



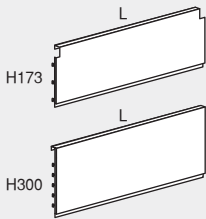
Minso Frame c/w Plate

Code : WDR-FP1500690-BK
 Size (mm) : H1500 x W690
 Code : WDR-FP1800690-BK
 Size (mm) : H1800 x W690



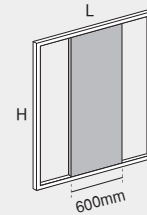
Minso Back Netting Full

Code : WDR-BNF14001170-BK
 Size (mm) : H1400 x L1170
 Code : WDR-BNF17001170-BK
 Size (mm) : H1700 x L1170



Minso Back Plate

Code : WDR-BP1731188-BK
 Size (mm) : H173 x L1188
 Code : WDR-BP3001188-BK
 Size (mm) : H300 x L1188
 Code : WDR-BP173888-BK
 Size (mm) : H173 x L888
 Code : WDR-BP300888-BK
 Size (mm) : H300 x L888



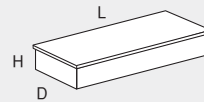
Minso Back Plate Half

Code : WDR-BPH14001170-BK
 Size (mm) : H1400 x L1170



Minso Square Bar

Code : WDR-SB650-BK
 Size (mm) : L650
 Code : WDR-SB880-BK
 Size (mm) : L880
 Code : WDR-SB1180-BK
 Size (mm) : L1180



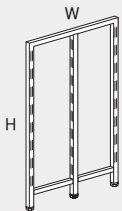
Minso Bottom

Code : WDR-B150330660
 Size (mm) : H150 x D330 x L660
 Code : WDR-B1503301165
 Size (mm) : H150 x D330 x L1165



SWL32-M825

Code : Screw Leg OD32 x M8 x 25
 (20 line)



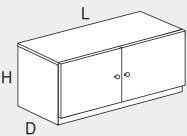
Minso Frame

Code : WDR-F1500690-BK
 Size (mm) : H1500 x W690
 Code : WDR-F1800690-BK
 Size (mm) : H1800 x W690
 Code : WDR-F2100690-BK
 Size (mm) : H2100 x W690
 Code : WDR-F2400690-BK
 Size (mm) : H2400 x W690



16mm Melamine Board

Code : 16MB 295664
 Size (mm) : 295 x 664
 Code : 16MB 295895
 Size (mm) : 295 x 895
 Code : 16MB 2951195
 Size (mm) : 295 x 1195
 Colour : TTF Light Brown



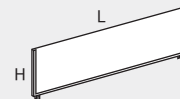
Minso Cabinet

Code : WDR-C400335660
 Size (mm) : H400 x D330 x L660
 Code : WDR-C4003351165
 Size (mm) : H400 x D330 x L1165



Minso Island G Bracket

Code : WDR-IGBL-BK (Left)
 Code : WDR-IGBR-BK (Right)



Minso Advertising Plate c/w U Clip

Code : WDR-A2031160-BK
 Size (mm) : H203 x L1160

Optional



Minso Shelving

Code : WDR-S2501196
 Size (mm) : W250 x L1196
 Code : WDR-S250896
 Size (mm) : W250 x L896



Minso Flat Bracket

Code : WDR-FB-BK



150 litre



125 litre



100 litre



20 litre

Product Code	ST150YW	ST125YW	ST100YW	ST20YW
Capacity (litre)	150	125	100	20
Size HxWxL (mm)	1020 x 560 x 970	1010 x 560 x 920	985 x 490 x 825	620 x 300 x 480
Colour	Yellow			



Product Code	SH125A
Capacity (litre)	125
Size HxWxL (mm)	1020 x 560 x 890
Colour	Red



Shopping Basket with Roller

- RB02DG** • 395H x 400W x 580L (mm) • 45 Litre • Dark Grey
- RB02RD** • 395H x 400W x 580L (mm) • 45 Litre • Red
- RB02YW** • 395H x 400W x 580L (mm) • 45 Litre • Yellow
- RB02BU** • 395H x 400W x 580L (mm) • 45 Litre • Blue



Shopping Basket Trolley

SPBT • 1020H x 472W x 472L (mm)
*without shopping basket



Shopping Basket

SPB GN • 260H x 340W x 483L (mm) • Green
SPB BU • 260H x 340W x 483L (mm) • Blue

Cashier Counter



Description	Cashier Counter		Side Table
Product Code	CT1500-BK	CT6490-BK	CT8655-BK
Height (mm)	890	640	865
Depth (mm)	550	450	500
Length (mm)	1500	900	550
Colour	■ Black		

CT90180W6S-BK



(Front)

CT9055-BK



(Back)

CT90180W6S-WH



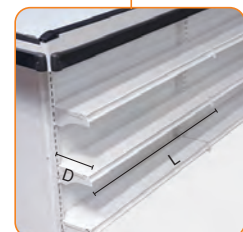
(Front)

CT9055-WH



(Back)

Description	Cashier Counter 900H x 1800L C/W 6 Shelf		Side Table 900H x 550L	
Product Code	CT90180W6S-WH	CT90180W6S-BK	CT9055-WH	CT9055-BK
Height (mm)	900		900	
Depth (mm)	550		500	
Length (mm)	1800		550	
Colour	□ White	■ Black	□ White	■ Black
Remarks	Come with 6 shelf		Side Table without door	



Shelf size 140D x 835L mm

Cashier Counter

CT1160B-WH



CT1800B-WH



CT560B-WH



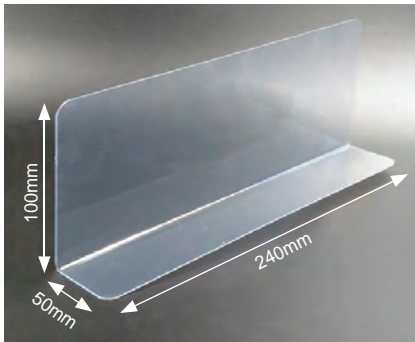
(Front)



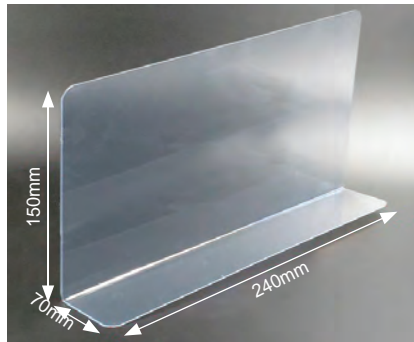
(Back)

Description	Cashier Counter		Side Table
Product Code	CT1800B-WH	CT1160B-WH	CT560B-WH
Height (mm)	770	770	770
Depth (mm)	550	550	450
Length (mm)	1780	1160	550
Colour	<input type="checkbox"/> White		

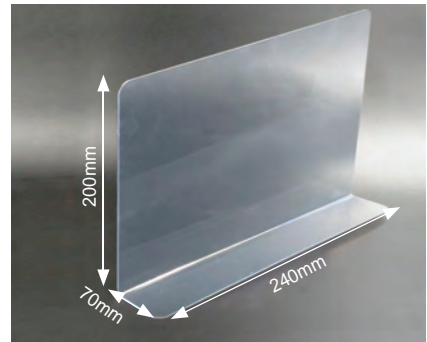
PVC Display Divider



PD100 • 100H x 50W x 240L (mm)



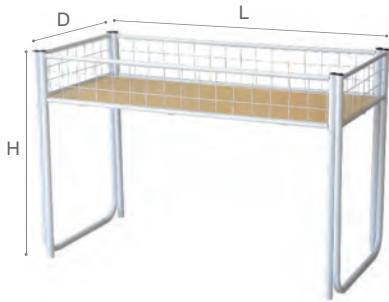
PD150 • 150H x 70W x 240L (mm)



PD200 • 200H x 70W x 240L (mm)

Offer Bin 1 Layer

OB1L • 815H x 590D x 1220L (mm)
Black | White



Offer Bin 2 Layer

OB2L • 815H x 590D x 1220L (mm)
Black | White



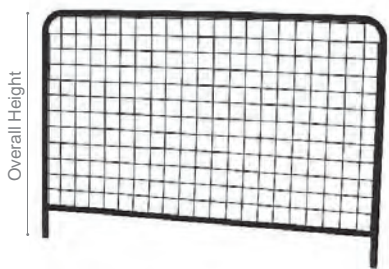
Offer Bin 3 Layer

OB3L • 1310H x 590D x 1220L (mm)
Black | White



Offer Bin Netting

OBN • 750H x 1165L (mm)
Overall Height 840 (mm)
Black | White



Adjustable Offer Bin 3

AOB3 • 800H x 610D x 1220L (mm)
Black | White



Zip Canvas

ZC • 813H x 610D x 1219L (mm)
Red | Dark Blue | Orange

Colour: ■ ■ ■



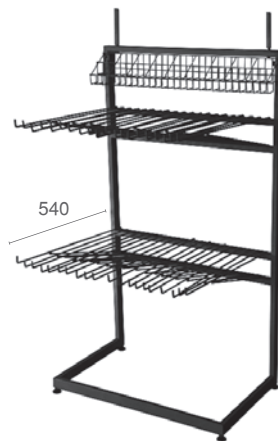
A Wrapping Paper Stand

AWPS-BK • 1250H x 380D x 600L (mm)
Black



E Wrapping Paper Stand

EWPS-BK • 1240H x 450D x 715L (mm)
Black



Mini Promo Bin

MPB • 800H x 300D x 300L (mm)
Black



Full Netting Bin

FNB • 800H x 610D x 610L (mm)
Black



Umbrella Stand

US-BK • 730H x 300D x 335L (mm)
Black



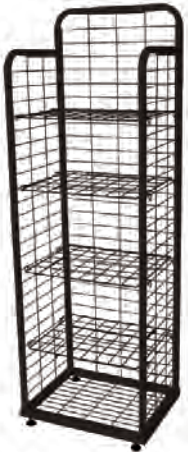
Magazine Rack

MR2 • 1290H x 390D x 914L (mm)
Black | White



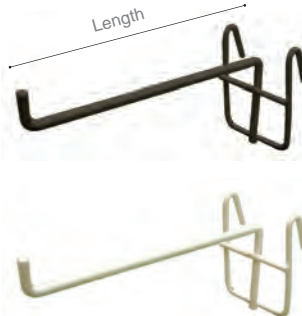
Newspaper Stand

NPS-BK • 1380H x 355D x 450L (mm)
Black



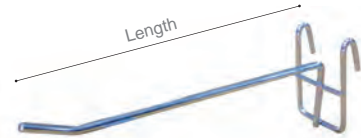
Epoxy Netting Hook

NH 2A / 4A / 6A / 8A / 10A / 12A
Length: 2", 4", 6", 8", 10", 12"
Black | White



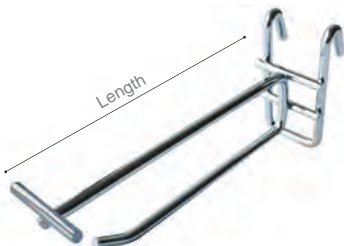
Chrome Netting Hook

CHNH 4 / 6 / 8 / 10 / 12
Length: 4", 6", 8", 10", 12"



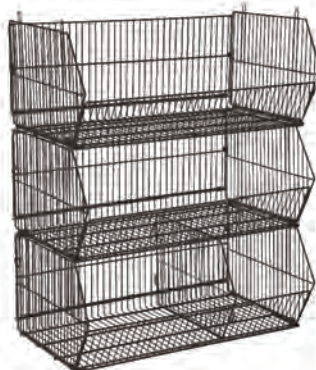
Chrome Netting Double Hook

CHNDH • Length (in) 4, 6, 8, 10, 12



Stackable Basket

SB2 • 350H x 450D x 610L (mm)
SB3 • 350H x 450D x 910L (mm)
SB4 • 350H x 450D x 1220L (mm)
Black | White



Stackable Basket Tray c/w Wheel

SB2T • 400D x 630L (mm)
SB3T • 400D x 935L (mm)
SB4T • 400D x 1240L (mm)
Black | White



Candy Basket (foldable)

CBF3 • 370H x 570D x 905L (mm)
CBF4 • 370H x 570D x 1210L (mm)



Candy Basket Divider

CBD • 360H x 550L (mm)

Stackable Basket Divider

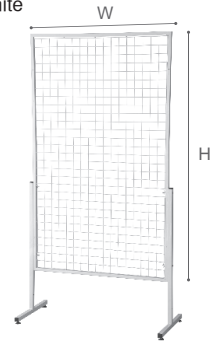
SBD • 340H x 420L (mm)
Black | White



Wire Mesh with Stand

WMS 1.5 x 6B • 1.5' x 6' (ft)	WMS 3 x 6B • 3' x 6'
WMS 2 x 4B • 2' x 4'	WMS 3 x 7B • 3' x 7'
WMS 2 x 5B • 2' x 5'	WMS 4 x 4B • 4' x 4'
WMS 2 x 6B • 2' x 6'	WMS 4 x 5B • 4' x 5'
WMS 3 x 4B • 3' x 4'	WMS 4 x 6B • 4' x 6'
WMS 3 x 5B • 3' x 5'	WMS 4 x 7B • 4' x 7'

Black | White



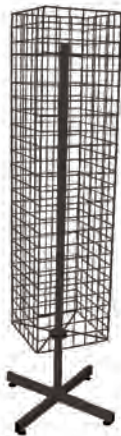
Broom Rack

BMR • 1330H x 510D x 1000L (mm)
Black



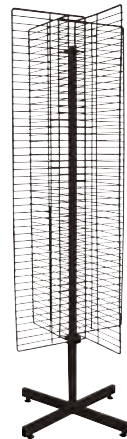
4 Way Stand

4WS • 1580H x 305D x 305L (mm)
Black



X Stand

XS • 1570H x 300D x 300L (mm)
Black



Book Stand Square

BKS-BK • 1600H x 610D x 610L (mm)
Black



Brochure Stand

BCS-BK • 1600H x 230D x 230L (mm)
Black



7-tier Hook Stand

7HS • 1620H (mm)
Black | White



MATERIAL HANDLING EQUIPMENTS

Page 132 - 168

DEAL FOR SPACE



METAL PLATFORM TROLLEY

200KG



Product		Platform Trolley without Handle	Fixed Handle Platform Trolley	Foldable Handle Platform Trolley
Product code		KMT 104	KMT 114	KMT 134
Dimension	mm	480W x 740L x 145H	480W x 740L x 845H	480W x 740L x 845H
Capacity	kg	200		
Castor wheel	mm	Ø100 Grey TPR wheel 2 swivel & 2 rigid		
Net Weight	kg	8	11.6	11.6
Measurement	m ³	0.046	0.046	0.046



Product		2 Shelf 1 Handle Trolley	2 Shelf 2 Handle Trolley	3 Shelf 1 Handle Trolley
Product code		KMT 214	KMT 224	KMT 314
Dimension	mm	480W x 740L x 895H	480W x 740L x 895H	480W x 740L x 905H
Capacity	kg	200		
Castor wheel	mm	Ø100 Grey TPR wheel 2 swivel & 2 rigid		
Net Weight	kg	19	19	24.5
Measurement	m ³	0.051	0.051	0.06



Product		3 Shelf 2 Handle Trolley	2 Shelf Trolley with Ledge	3 Shelf Trolley with Ledge
Product code		KMT 324	KMT 254	KMT 354
Dimension	mm	480W x 740L x 905H	480W x 740L x 895H	480W x 740L x 905H
Capacity	kg	200		
Castor wheel	mm	Ø100 Grey TPR wheel 2 swivel & 2 rigid		
Net Weight	kg	24.5	20.5	27
Measurement	m ³	0.05	0.088	0.117

METAL PLATFORM TROLLEY 200KG



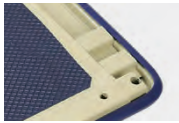
10)



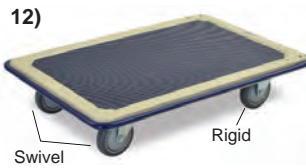
11)

Product		Full Iron Net Trolley	2 Shelf Trolley with Iron Net
Product code		KMT 174	KMT 274
Dimension	mm	480W x 740L x 850H	480W x 740L x 1050H
Capacity	kg	200	
Castor wheel	mm	Ø100mm Grey TPR wheel 2 swivel & 2 rigid	
Net weight	kg	20	27.6
Measurement	m ³	0.068	0.083

METAL PLATFORM TROLLEY 300KG



Reinforced Double U Steel Bar to strengthen platform solidity.



12)

Swivel

Rigid



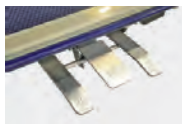
13)



14)

Product		Platform Trolley without Handle	Fixed Handle Platform Trolley	Foldable Handle Platform Trolley
Product code		KMT 105	KMT 115	KMT 135
Dimension	mm	590W x 890L x 180H	590W x 890L x 840H	590W x 890L x 840H
Capacity	kg	300		
Castor wheel	mm	Ø125mm Grey TPR wheel 2 swivel & 2 rigid		
Net weight	kg	15.5	19	19
Measurement	m ³	0.074	0.074	0.074

ACCESSORIES



KBS 05
Platform Trolley Brake System



15)



16)



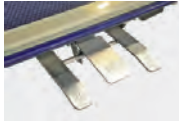
17)

Product		2 Shelf 1 Handle Trolley	2 Shelf 2 Handle Trolley	3 Shelf 1 Handle Trolley
Product code		KMT 215	KMT 225	KMT 315
Dimension	mm	590W x 890L x 945H	590W x 890L x 945H	590W x 890L x 965H
Capacity	kg	300		
Castor wheel	mm	Ø125mm grey TPR wheel 2 swivel & 2 rigid		
Net weight	kg	31	31	42
Measurement	m ³	0.097	0.097	0.111

METAL PLATFORM TROLLEY

300KG

ACCESSORIES



KBS 05
Platform Trolley Brake System



18)



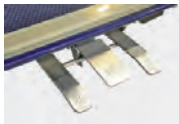
19)



20)

Product		3 Shelf 2 Handle Trolley	2 Shelf Trolley with Ledge	3 Shelf Trolley with Ledge
Product code		KMT 325	KMT 255	KMT 355
Dimension	mm	590W x 890L x 965H	590W x 890L x 945H	590W x 890L x 965H
Capacity	kg	300		
Castor wheel	mm	Ø125mm grey TPR wheel 2 swivel & 2 rigid		
Net weight	kg	42	32.5	44.5
Measurement	m ³	0.111	0.15	0.194

ACCESSORIES



KBS 05
Platform Trolley Brake System



21)



22)



23)



24)

Product		Full Iron Net Trolley	Platform Trolley with Side Rail	2 Shelf Trolley with Cage	2 Shelf Trolley with Iron Net
Product code		KMT 175	KMT 185	KMT 285	KMT 275
Dimension	mm	590W x 890L x 920H	590W x 890L x 880H	590W x 890L x 945H	590W x 890L x 1100H
Capacity	kg	300			
Castor wheel	mm	Ø125mm grey TPR wheel 2 swivel & 2 rigid			
Net weight	kg	30	22.4	31	40
Measurement	m ³	0.1	0.087	0.097	0.112

METAL PLATFORM TROLLEY

400KG



25)

Swivel

Rigid



26)



27)

Product		1 Fixed Handle Platform Trolley	2 Fixed Handle Platform Trolley	Foldable Handle Platform Trolley
Product code		KMT 116	KMT 126A	KMT 136
Dimension	mm	770W x 1235L x 815H	790W x 1250L x 815H	770W x 1235L x 815H
Capacity	kg	400		
Castor wheel	mm	Ø150mm grey TPR wheel 2 swivel & 2 rigid		
Net weight	kg	39.5	47.2	43
Measurement	m ³	0.138	0.198	0.19

METAL PLATFORM TROLLEY 400KG



Product		Full Iron Net Trolley	Platform Trolley with Side Rail	Platform Trolley with End Gate
Product code		KMT 176	KMT 186	KMT 196
Dimension	mm	770W x 1235L x 970H	770W x 1235L x 845H	770W x 1235L x 1270H
Capacity	kg	400		
Castor wheel	mm	Ø150 Grey TPR wheel 2 swivel & 2 rigid		
Net weight	kg	48	45.5	43
Measurement	m ³	0.20	0.20	0.20

METAL PLATFORM TROLLEY 500KG



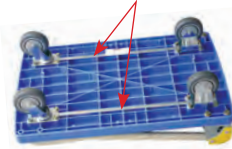
Product		1 Fixed Handle Platform Trolley	2 Fixed Handle Platform Trolley	Foldable Handle Platform Trolley
Product code		KMT 118	KMT 128A	KMT 138
Dimension	mm	770W x 1235L x 850H	790W x 1250L x 860H	770W x 1235L x 875H
Capacity	kg	500		
Castor wheel	mm	Ø200 Grey TPR wheel 2 swivel & 2 rigid		
Net weight	kg	42.5	49	46
Measurement	m ³	0.138	0.198	0.19



Product		Full Iron Net Trolley	Platform Trolley with Side Rail	Platform Trolley with End Gate
Product code		KMT 178	KMT 188	KMT 198
Dimension	mm	770W x 1235L x 1030H	770W x 1235L x 905H	770W x 1235L x 1330H
Capacity	kg	500		
Castor wheel	mm	Ø200mm Grey TPR wheel 2 swivel & 2 rigid		
Net weight	kg	57	53.5	51
Measurement	m ³	0.20	0.20	0.20

PVC PLATFORM TROLLEY 150KG-200KG

Reinforced steel bar underside to strengthen platform solidness.



LOAD CAPACITY
Enhance to
200KG



38)



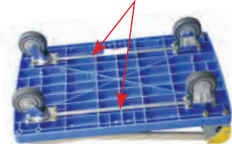
Product		Foldable Handle PVC Platform Trolley	PVC 2 Shelf 1 Handle Trolley
Product code		KPT 134	KPT 214
Dimension	mm	455W x 710L x 880H	455W x 710L x 930H
Capacity	kg	200	150
Castor wheel	mm	Ø100mm Grey TPR wheel 2 swivel & 2 rigid	
Net weight	kg	10.2	14.2
Measurement	m ³	0.05	0.066



Product		PVC 2 Shelf 2 Handle Trolley	PVC 3 Shelf 1 Handle Trolley	PVC 3 Shelf 2 Handle Trolley
Product code		KPT 224	KPT 314	KPT 324
Dimension	mm	455W x 710L x 930H	455W x 710L x 950H	455W x 710L x 950H
Capacity	kg	150		
Castor wheel	mm	Ø100mm Grey TPR wheel 2 swivel & 2 rigid		
Net weight	kg	14.2	17.7	17.7
Measurement	m ³	0.066	0.077	0.077

PVC PLATFORM TROLLEY 300KG - 350KG

Reinforced **steel bar** underside to strengthen platform solidness.



LOAD CAPACITY
Enhance to
350KG

42)



43)



Product		Foldable Handle PVC Platform Trolley	PVC 2 Shelf 1 Handle Trolley
Product code		KPT 135	KPT 215
Dimension	mm	609W x 914L x 860H	609W x 914L x 960H
Capacity	kg	350	300
Castor wheel	mm	Ø125mm Grey TPR wheel 2 swivel & 2 rigid	
Net weight	kg	15.2	20.8
Measurement	m ³	0.091	0.12

PVC PLATFORM TROLLEY 300KG - 350KG



Product		PVC 2 Shelf 2 Handle Trolley	PVC 3 Shelf 1 Handle Trolley	PVC 3 Shelf 2 Handle Trolley
Product code		KPT 225	KPT 315	KPT 325
Dimension	mm	609W x 914L x 960H	609W x 914L x 980H	609W x 914L x 980H
Capacity	kg	300		
Castor wheel	mm	Ø125mm Grey TPR wheel 2 swivel & 2 rigid		
Net weight	kg	20.8	26.8	26.8
Measurement	m ³	0.12	0.146	0.146

STAINLESS STEEL PLATFORM TROLLEY 200KG - 350KG



Product		Stainless Steel Platform Trolley	
Product code		KST 134	KST 135
Dimension	mm	480W x 735L x 855H	575W x 870L x 855H
Capacity	kg	200	350
Castor wheel	mm	Ø100mm Grey TPR wheel 2 swivel & 2 rigid stainless steel castor	Ø125mm Grey TPR wheel 2 swivel & 2 rigid stainless steel castor
Net weight	kg	11.6	16.7
Measurement	m ³	0.043	0.068

ALUMINIUM EXPANDABLE TROLLEY 100KG - 150KG

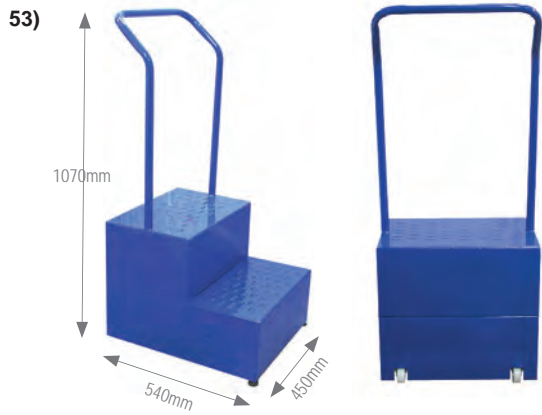


Product		Aluminium Expandable Trolley		2 Wheels Aluminium Hand Truck	
Product code		KAT 414		KAT 316	KAT 326
Dimension	mm	420W x 720L x 830H		415W x 400L x 1100H	415W x 400L x 1100H
Capacity	kg	150		100	120
Castor wheel	mm	Ø100mm Grey TPR wheel 2 swivel & 2 rigid		Ø150mm black rubber wheel	
Net weight	kg	8.5		7	7.3
Meas.	m ³	0.054		0.06	0.06

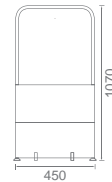
Komada Foldable Hand Truck

Product code	: FT 5MS
Dimension (mm)	: 390W x 400L x 1000H
Foldable size (mm)	: 390W x 50L x 630H
Capacity (kg)	: 70
Material made	: Aluminium alloy

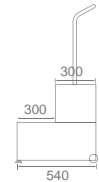
FOOT STOOL 100KG



Product		Foot Stool
Product code		2SS
Overall height	mm	1070
Width	mm	450
Overall platform length	mm	540
Overall platform height	mm	500
Castor wheel	in.	Ø3" rigid castor
Capacity	kg	100



FRONT VIEW



SIDE VIEW



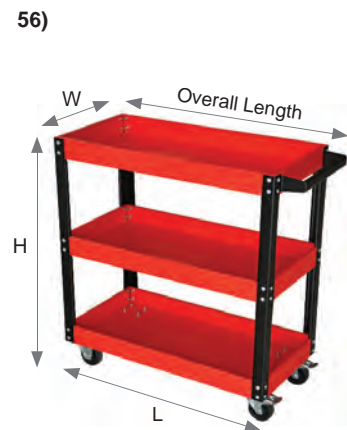
TOOL CABINET TROLLEY



Product		Tool Cabinet Trolley
Product code		TBC 3005
Overall	mm	665W x 465D x 850H
Overall with castor	mm	665W x 465D x 1005H
Drawer Sx5	mm	575W x 395D x 65H
Drawer Lx2	mm	575W x 395D x 145H
Castor	mm	PP Wheel, 2 Swivel 2 Rigid, 1 Swivel & 1 Brake
Load capacity	kg	170
Colour		Red



Product		Tool Cabinet Trolley
Product code		TBC 3007
Overall	mm	665W x 465D x 850H
Overall with castor	mm	665W x 465D x 1005H
Drawer Sx3	mm	575W x 395D x 65H
Drawer Lx2	mm	575W x 395D x 145H
Castor	mm	PP Wheel, 2 Swivel 2 Rigid, 1 Swivel & 1 Brake
Load capacity	kg	170
Colour		Red



Product		3-tier Tool Cart
Product code		TC 302
Dimension	mm	345W x 700L x 760H
Overall length	mm	775 (include handle)
Capacity	kg	150

Product colours depends on stock.

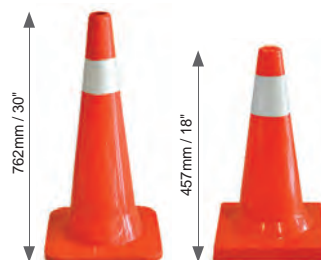
ELASTIC POLE



57)
Komada Elastic Pole

Product code	: ETP
Diameter (mm)	: Ø80
Height (mm)	: 780

SAFETY CONE



58)
Komada Safety Cone

Product code:	SC 18
Height (mm) :	457
Product code:	SC 30
Height (mm) :	762

Metal Trolley



59) Prestar Mild Steel Foldable Handle Platform Trolley
 60) Prestar Foldable Handle Platform Trolley with Stopper
 61) Prestar Double Handle 2 Shelf Trolley
 62) Prestar Single Handle 2 Shelf Trolley
 63) Prestar Double Handle 3 Shelf Trolley
 64) Prestar Single Handle 3 Shelf Trolley
 65) Prestar Platform Trolley with Iron Net

Product code		NB 101 (F)	NB S101 (F)	NB 104	NB 114	NB 105	NB 115	NB 107
W x L x H	mm	480 x 740 x 895	480 x 740 x 895	480 x 740 x 850	480 x 740 x 850	480 x 740 x 850	480 x 740 x 850	480 x 740 x 890
Capacity	kg	150	150	150	150	150	150	150

Product code		NF 301 (F)	NF S301 (F)	NF 304	NF 314	NF 305	NF 315	NF 307
W x L x H	mm	610 x 910 x 900	610 x 910 x 900	610 x 910 x 950	610 x 910 x 950	610 x 805 x 970	610 x 910 x 970	610 x 910 x 900
Capacity	kg	300	300	300	300	300	300	300

Metal Trolley



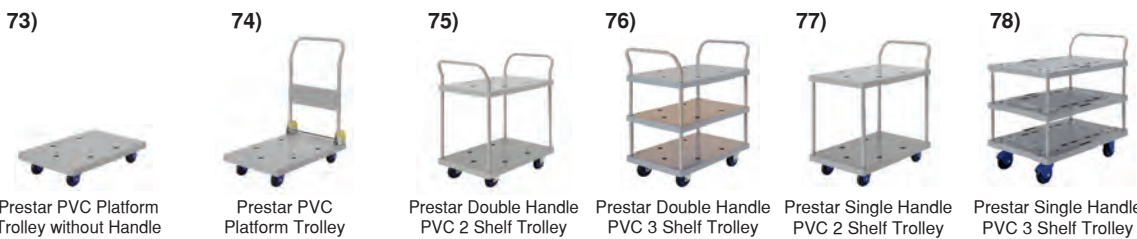
66) Prestar 2 Shelf Platform Trolley with Iron Net
 67) Prestar TF Series Platform Trolley
 68) Prestar PG Series
 69) Prestar NG Series Platform Trolley
 70) Prestar NG Series Platform Trolley with Stopper
 71) Prestar NG Series Platform Trolley
 72) Prestar NG Series Platform Trolley

Product code		NB 127	TF 402	PG 502	NG 401 (F)	NG S401 (F)	NG 403	NG 407
W x L x H	mm	440 x 680 x 985	600 x 855 x 855	775 x 1160 x 860	790 x 1100 x 845	790 x 1100 x 845	790 x 1050 x 830	750 x 1200 x 950
Capacity	kg	150	400	600	400	400	400	400

Product code		NF 327	TF 403	PG 503	NG 402	NG S402
W x L x H	mm	610 x 910 x 1070	600 x 900 x 895	775 x 1225 x 860	790 x 1240 x 830	790 x 1240 x 830
Capacity	kg	300	400	600	400	400

Remarks: (F) = Foldable Handle

PVC Trolley



73) Prestar PVC Platform Trolley without Handle
 74) Prestar PVC Platform Trolley
 75) Prestar Double Handle PVC 2 Shelf Trolley
 76) Prestar Double Handle PVC 3 Shelf Trolley
 77) Prestar Single Handle PVC 2 Shelf Trolley
 78) Prestar Single Handle PVC 3 Shelf Trolley

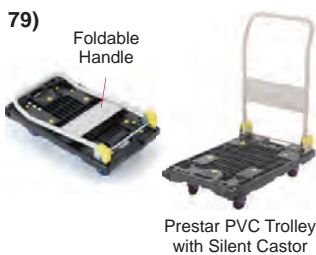
Product code		PB 100G	PB 101G	PB S101G	PB 104G	PB 105G	PB 114G	PB 115G
W x L x H	mm	455W x 710L	455 x 710 x 905		455 x 710 x 860	455 x 710 x 865	455 x 710 x 860	455 x 710 x 865
Capacity	kg	150	150		150	150	150	150

Product code		PF 300G	PF 301G	PF S301G	PF 304G	PF 305G	PF 314G	PF 315G
W x L x H	mm	600W x 900L	600 x 900 x 905		600 x 900 x 950	600 x 900 x 970	600 x 900 x 950	600 x 900 x 970
Capacity	kg	300	300		300	300	300	300

S - Stopper

150kg - 4" castor wheel, 300kg - 400kg - 5" castor wheel, 600kg - 8" castor wheel

PVC Trolley



79) Prestar PVC Trolley with Silent Castor

Slim Cart



80) Prestar 4 Wheel Slim Cart
 81) Prestar 6 Wheel Slim Cart
 82) Prestar 6 Wheel Slim Cart with Shelf

Product code		PM 201 P	4SNS303	6SC503	6SC503-WS
W x L x H	mm	790 x 505 x 900	480 x 1020 x 1650	445 x 1277 x 1500	445 x 1277 x 1500
Capacity	kg	200	300	500	500
Remarks		-	With brake	Without brake	Without brake

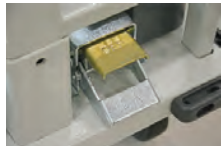
Work Tainer



Product code		WTP110-80
W x L x H	mm	800 x 1100 x 1700
Capacity	kg	500
Castor wheel	in.	Ø6" rubber wheel
N.W.	kg	54

* Materials & specifications are subject to change without prior notice.

SLIM CART 350KG



Product		6 Wheel Nestable Slim Cart with Brake	6 Wheel Slim Cart with Brake
Product code		NC501-BS	ND503-BS
External dimension	mm	430W x 1290L x 1550H	425W x 1300L x 1510H
Internal dimension	mm	420W x 1125L x 1300H	420W x 1165L x 1300H
Castor wheel	in.	4 x Ø4" swivel (front & back), 2 x Ø5" rigid (middle)	4 x Ø4" swivel (front & back), 2 x Ø5" rigid (middle)
Capacity	kg	350	350

WORK TAINER 500KG



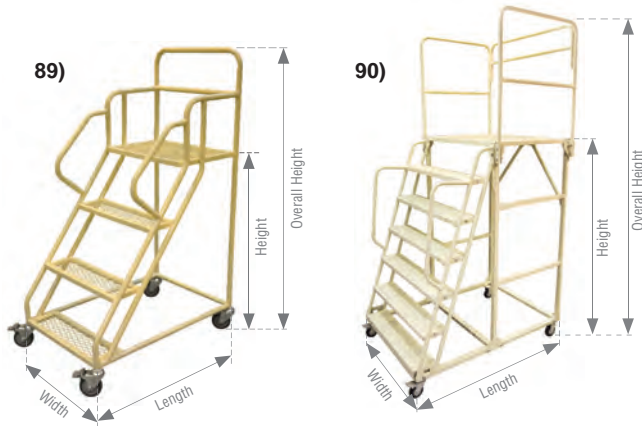
Product		Work Tainer	Work Tainer with Swinging Door
Product code		SWT 500PR	STD 500PR
Dimension	mm	790W x 1080L x 1700H	790W x 1080L x 1700H
Capacity	kg	500	500
Castor wheel		Ø150mm press rubber 2 swivel & 2 side brake	
Net weight	kg	49	66

Komada Work Tainer Shelf

Product code : **WTS 7201100**
 Dimension (mm) : 720W x 1100L
 Capacity (kg) : 50

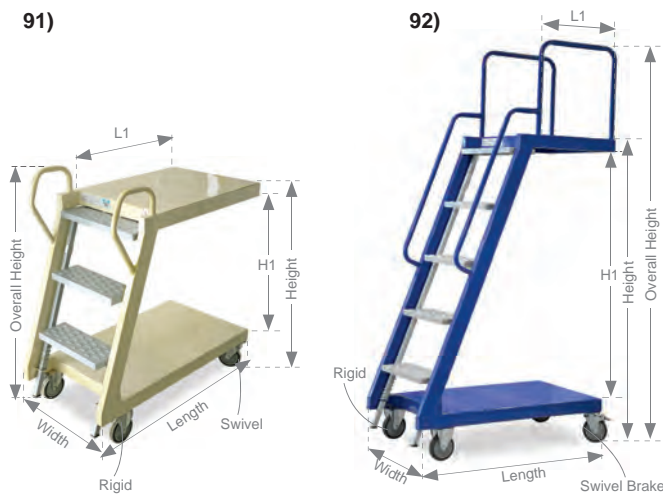


PLATFORM ORDER PICKER 300KG



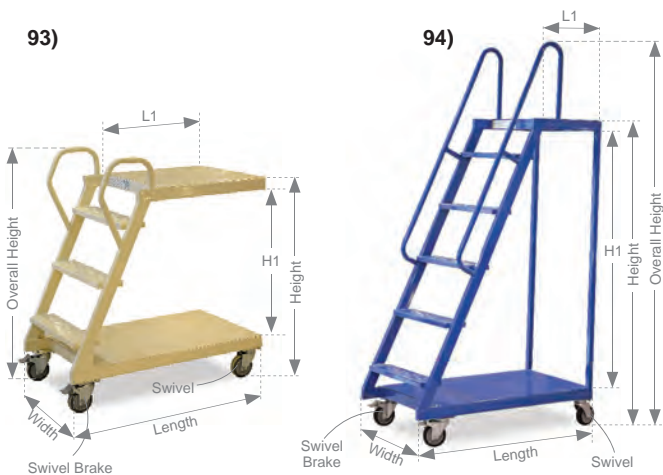
Product code		POP 4M	POP 7
Width	mm	630	965
Length	mm	970	1310
Height	mm	985	1605
Overall height	mm	1485 (include castor wheel)	2400 (include castor wheel)
Ladder step		4	7
Castor wheel	in.	Ø4" castor wheel 2 swivel 2 rigid	
Capacity	kg	300	300
Net weight	kg	22	64
Measurement	m ³	0.91	0.32

LADDER TROLLEY



Product		Ladder Trolley	
Product code		LT 3	LT 5
Width	mm	560	560
Length	mm	1070	1070
Height	mm	1025	1578
Overall height	mm	1150	2030
H1	mm	730	1285
L1	mm	710	480
Net weight	kg	41	46
Colour		Beige	Blue
Ladder step		3	5
Finishing		Epoxy powder coating Electronic zinc plating (ladder)	
Castor wheel	in.	Ø5" rigid / swivel / swivel brake	
Capacity	kg	80 (Top)	60 (Top)
		220 (Bottom)	240 (Bottom)

PICKING TROLLEY



Product		Picking Trolley	
Product code		SK 3	SK 5
Width	mm	510	510
Length	mm	920	1020
Height	mm	890	1505
Overall height	mm	1020	1862
H1	mm	650	1270
L1	mm	510	320
Net weight	kg	30	36
Colour		Beige	Blue
Ladder step		3	5
Finishing		Epoxy powder coating	
Castor wheel	in.	Ø4" swivel / swivel brake	
Capacity	kg	50 (Top), 200 (Bottom)	

PICKER CART

95)



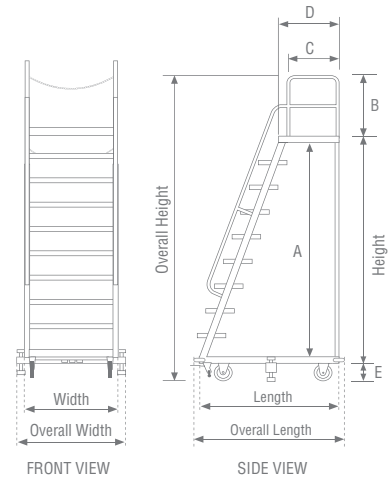
Without extended foot bar



With extended foot bar



Product code	PC BS 6	PC BS 7	PC BS 8	PC BS 9	PC BS 10	PC BS 11
Ladder step	6	7	8	9	10	11
Width	mm 765					
Overall width	mm 805	mm 805	mm 870	mm 875	mm 880	mm 880
Length	mm 1220	mm 1310	mm 1425	mm 1530	mm 1615	mm 1702
Overall length	mm 1270	mm 1355	mm 1465	mm 1575	mm 1665	mm 1750
Height	mm 1685	mm 1985	mm 2283	mm 2600	mm 2885	mm 3205
Overall height	mm 2750	mm 3050	mm 3350	mm 3660	mm 3940	mm 4260
A	mm 1555	mm 1850	mm 2150	mm 2460	mm 2740	mm 3065
B	mm 895					
C	mm 555					
D	mm 680	mm 660	mm 660	mm 660	mm 660	mm 660
E	mm 160					
Castor wheel	in. Ø5" rigid / swivel brake					
Finishing	Epoxy powder coating					
Colour	Blue					
Capacity	kg 100kg (Top), 200kg (Bottom)					
Remarks	W/O extended foot		C/W extended foot			



Extended foot bar enhance stability.



Double brake system functioned by to step on.



PVC bumper helps to prevent damage.



Safety chain.

* Materials & specifications are subject to change without prior notice.

CASTOR WHEEL



Product code		KMD 4R-TPR	KMD 5R-TPR	KMD 6R-TPR	KMD 8R-TPR	KMD 6S-PR
Description	in.	4" KMD TPR wheel rigid castor	5" KMD TPR wheel rigid castor	6" KMD TPR wheel rigid castor	8" KMD TPR wheel rigid castor	6" KMD press rubber swivel castor
Dimension	mm	Ø100 x 32 x 124 (H)	Ø125 x 32 x 155 (H)	Ø150 x 50 x 193 (H)	Ø200 x 50 x 240 (H)	Ø150 x 36 x 190 (H)
Load weight/pcs	kg	80	110	300	350	200



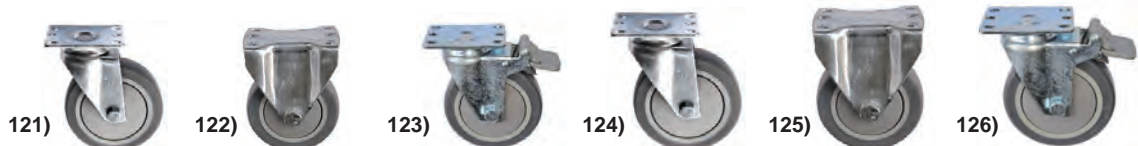
Product code		KMD 4S-TPR	KMD 5S-TPR	KMD 6S-TPR	KMD 8S-TPR	KMD 6B-PR
Description	in.	4" KMD TPR wheel swivel castor	5" KMD TPR wheel swivel castor	6" KMD TPR wheel swivel castor	8" KMD TPR wheel swivel castor	6" KMD press rubber side brake castor
Dimension	mm	Ø100 x 32 x 124 (H)	Ø125 x 32 x 155 (H)	Ø150 x 50 x 193 (H)	Ø200 x 50 x 240 (H)	Ø150 x 36 x 190 (H)
Load weight/pcs	kg	80	110	300	350	200



Product code		HR4R	HR4SB	PP4S	PP4R	PP4B	TPY4HF	TPY4BHF
Description	in.	4" Black Hard Rubber Wheel Rigid Castor	4" Black Hard Rubber Wheel Side Brake Castor	4" Swivel PP Castor	4" Rigid PP Castor	4" Brake PP Castor	4" Hole Fitting TPY Castor	4" Brake Hole Fitting TPY Castor
Load weight/pcs	kg	50	50	70	70	70	80	80
Remarks		3 Tier Tool Cart use.			PP nylon wheel castor.		POP4M Order Picker & Shopping Trolley SH125A use.	



Product code		GPU4HF	GPU5HF	MHSC4S-RPU	MHSC4R-RPU	MHSC4B-RPU	MHSC5S-RPU	MHSC5R-RPU	MHSC5B-RPU	
Description	in.	4" hole fitting GPU castor	5" hole fitting GPU castor	4" MHSC swivel red PU castor	4" MHSC rigid red PU castor	4" MHSC brake red PU castor	5" MHSC swivel medium duty red PU castor	5" MHSC rigid medium duty red PU castor	5" MHSC brake medium duty red PU castor	
Load weight/pcs	kg	80	100	220	220	220	250	250	250	
Remarks		Shopping trolley use.			Pallet mesh & trolley use.					



Thermoplastic Grey Rubber Wheel Castor

Product code		ETHOS4S	ETHOS4R	ETHOS4B	ETHOS5S	ETHOS5R	ETHOS5B	
Description	in.	4" swivel ETHOS TPR castor	4" rigid ETHOS TPR castor	4" brake ETHOS TPR castor	5" swivel ETHOS TPR castor	5" rigid ETHOS TPR castor	5" brake ETHOS TPR castor	
Load weight/pcs	kg	110	110	110	130	130	130	
Remarks		Picking trolley SK 3 & SK 5 use.			Ladder trolley LT 3 & LT5 use.			

* Materials & specifications are subject to change without prior notice.

CASTOR WHEEL



Product code		BR5S	BR5R	BR5B	BER5R	BER5B	KMT5S-HBP	KMT5R-HBP
Description	in.	5" swivel black rubber castor	5" rigid black rubber castor	5" brake black rubber castor	5" rigid blue elastic rubber castor	5" brake blue elastic rubber castor	5" swivel castor TPR wheel	5" rigid castor TPR wheel
Load weight/pcs	kg	80	80	80	130	130	110	110
Remarks						Picker cart use.	HBP 300 (300kg plastic hand truck) use.	



Cast Iron Red Polyurethane (PU) Wheel Castor (Pallet Mesh use)

Product code		CI5S	CI5R	CI5B	CI6S	CI6R	CI6B
Description	in.	5" swivel cast iron PU castor	5" rigid cast iron PU castor	5" brake cast iron PU castor	6" swivel cast iron PU castor	6" rigid cast iron PU castor	6" brake cast iron PU castor
Load weight/pcs	kg	250	250	250	300	300	300



GLOBE Heavy Duty PP Wheel Castor (Pallet Mesh & Trolley use)

Product code		GE6S-PP	GE6R-PP	GE6B-PP	GE8S-PP	GE8R-PP	GE8B-PP
Description	in.	6" GLOBE swivel heavy duty PP castor	6" GLOBE rigid heavy duty PP castor	6" GLOBE brake heavy duty PP castor	8" GLOBE swivel heavy duty PP castor	8" GLOBE rigid heavy duty PP castor	8" GLOBE brake heavy duty PP castor
Load weight/pcs	kg	300	300	300	400	400	400



Product code		PW2T	PW2TB	PW2RS1	PW/50/P#	GR2HF	GR2BHF	GR3TSF
Description	in.	2" PVC wheel with thread	2" PVC wheel with thread & brake	2" PVC wheel with 1" round socket	2" PVC wheel (without round socket)	2" grey rubber hole fitting	2" brake grey rubber hole fitting	3" grey rubber wheel castor thread stem fitting
Load weight/pcs	kg	30	30	30	30	35	35	20
Remarks		4WS, XS, CDS, EWPS, AWPS, MR2, T-Stand, NPS, US, SB Tray use.		OB1L, OB2L, OB3L use.		Stackable basket tray use.		Shopping basket trolley use.

153)



Load Wheel c/w Bearing		
Product code	Description (mm)	Load weight (kg)
LPU6595B	Load PU wheel 65 x 95L	800
LPU8060B	Load PU wheel 80 x 60L	800
LPU8075B	Load PU Wheel 80 x 75L	750 / 800
LPU8093B-RD	Load PU wheel 80 x 93L	800
LPU80100B	Load PU wheel 80 x 100L	800

Hand pallet truck use.

154)

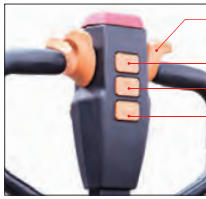


Steering Wheel c/w Bearing		
Product code	Description (mm)	Load weight (kg)
SPU15050B	Steering PU wheel 150 x 50L	800
SPU18050B	Steering PU wheel 180 x 50L	800
SPU18060B	Steering PU wheel 180 x 60L	800
SPU18070B	Steering PU wheel 180 x 70L	800
SPU20050B	Steering PU wheel 200 x 50L	800

Hand pallet truck use.

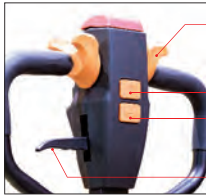
155)

FULLY POWERED HAND PALLET TRUCK



- Forward / Backward Button
- Lifting Button
- Honk Button
- Lowering Button (Electric lowering)

CBD20-E operating handle



- Forward / Backward Button
- Lifting Button
- Honk Button
- Drop Knob (Manual lowering)

CBD15-E operating handle



The special fixed structure is used to raise the battery to prevent collision.



Product code		CBD15-E	CBD20-E			
Drive type		Electric				
Manner of operation		Tramp type				
Load capacity (Q)	kg	1500	2000			
Load centre (c)	mm	600				
Distance between fork backrest and front (x)	mm	944				
Wheel base (y)	mm	1243				
Service weight (without battery)	mm	137	146			
Tire material		PU				
Driving wheel	mm	Ø210 x 70				
Bearing wheel	mm	Ø80 x 60				
Qty of wheel, Front / Rear (x=driving wheel)		1x/4				
Tread (b11)	mm	535				
Lifting height (h3)	mm	200				
Height of handle in operation position (h14)	mm	740/1160				
Lowered fork height (h13)	mm	85				
Overall length (l1)	mm	1603				
Body length (l2)	mm	453				
Overall width (b1 / b2)	mm	685				
Fork size (s/e/l)	mm	50/150/1150				
Fork width (b5)	mm	685				
Ground clearance under mast (m2)	mm	35				
Aisle width for pallets 1000*1200 crossways (Ast)	mm	1804				
Aisle width for pallets 1000*1200 lengthways (Ast)	mm	1854				
Turning radius	Wa	1398				
Driving speed (load/unload)	km/h	4.2/4.5				
Maximum gradeability (load/unload)	%	5/10				
Brake type		Electromagnetic brake				
Drive motor	kW	0.75				
Lift motor	kW	0.8				
Battery (according to DIN 43531/35/36)		No				
Battery voltage / rate capacity	V/Ah	24/20	24/30	24/40	48/15	48/20
Battery weight (±5%)	kg	5.5	7.0	8.2	7.0	8.2
Type of drive control		DC				
Noise level	dB(A)	≤70				
Steering type		Mechanical				

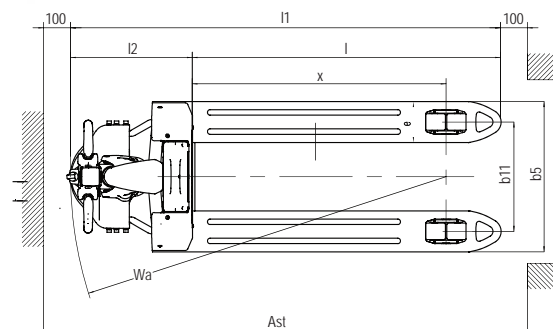
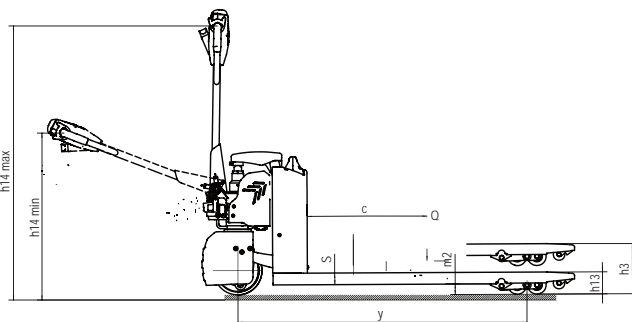
Product colours depends on stock: red / yellow.



CDB15-E



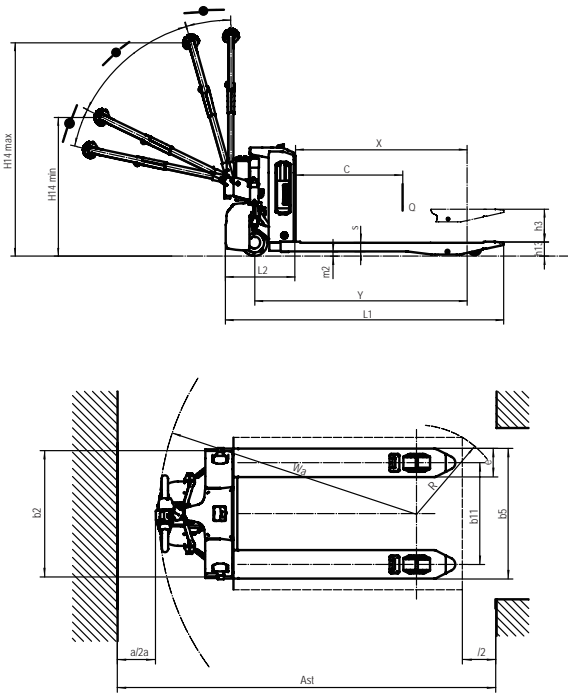
CBD20-E



* Materials & specifications are subject to change without prior notice.

156)

KOMADA FF15-E brings maximum flexibility in configurations for every application. The standard single 24V/20Ah battery setting comes with a portable storage container to keep everything easily accessible on the go. Its versatility makes FF15-E an all rounder, perfect for diverse tasks in the most cost effective way.

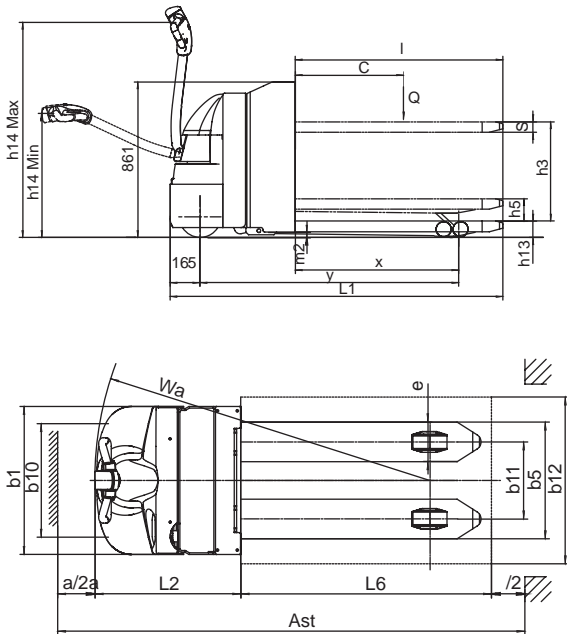


FULLY POWERED HAND PALLET TRUCK

Product code		FF15-E
Drive type		Electric
Operator type		Pedestrian
Load capacity (Q)	kg	1500
Load centre distance (c)	mm	600
Load distance, centre of drive axle to fork (x)	mm	950
Wheel base (y)	mm	1180
Service Weight		
Service weight	kg	120
Axle loading, laden front / rear	kg	480 / 1140
Axle loading, unladen front / rear	kg	90 / 30
Tyres/chassis		
Tyre type		Polyurethane
Tyre size, front	mm	210 x 70
Tyre size, rear	mm	80 x 60
Additional wheel (castor wheels)	mm	74 x 30
Wheels, number front / rear (x=drive wheels)	mm	1x, -/4
Tread width, front (b10)	mm	-
Tread width, rear (b11)	mm	410 (535)
Dimensions		
Fork dimension	mm	1150 x 685
Fork lowered height	mm	80
Drive cover off the ground	mm	55
Lift height (h3)	mm	105
Height of tiller handle in drive position min. / max.	mm	750 / 1190
Lowered height (h13)	mm	88
Overall length (l1)	mm	1550
Length to face of forks (l2)	mm	400
Overall width (b1 / b2)	mm	590 (695)
Fork dimensions (s/ e/ l)	mm	55/ 150/ 1150
Distance between fork arms (b5)	mm	560 (685)
Ground clearance, center of wheel base (m2)	mm	25
Aisle width for pallets 1000 x 1200 crossways (Ast)	mm	2160
Aisle width for pallets 800 x 1200 lengthways (Ast)	mm	2025
Turning radius (Wa)	mm	1360
Performance Data		
Travel speed, laden / unladen	km/h	4/4.5
Lifting speed, laden / unladen	m/s	0.017 / 0.020
Lowering speed, laden / unladen	m/s	0.058 / 0.046
Max. gradeability, laden / unladen	%	6/16
Service brake	Electromagnetic	
Electric-Engine		
Drive motor rating S2 60 min	kW	0.75
Lift motor rating at S3 15%	kW	0.5
Battery voltage / nominal capacity	V/Ah	24/20
Battery weight	kg	5
Energy consumption according to DIN EN 16796	kWh/h	0.18
Turnover output according to VDI 2198	t/h	60
Turnover efficiency according to VDI 2198	t/kWh	333.33
Additional Data		
Type of drive control		DC
Steering design		Mechanical
Sound pressure level at the driver's ear	dB(A)	74
Load wheel material	PU	
Drive wheel material	PU	
Battery capacity	20Ah x 1, portable storage box	
Battery Indicator	Without time	

FULLY POWERED HAND PALLET TRUCK

157)



Product code		EPT20-20Wai
Drive unit		Electrics
Operator type		Pedestrian
Rated capacity (Q)	kg	2000
Load center distance (c)	mm	600
Load distance (x)	mm	905
Wheel base (y)	mm	1441
Weight		
Service weight (include battery)	kg	625
Axle loading, laden driving side/loading side	kg	910/1715
Axle loading, unladen driving side/loading side	kg	420/205
Types Chassis		
Tyre type driving wheels/loading wheels		PU/PU
Tyre size, driving wheels (diameter x width)	mm	Ø230x75
Tyre size, loading wheels (diameter x width)	mm	Ø85x70
Tyre size, caster wheels (diameter x width)	mm	Ø85x48
Wheels, number driving, caster/loading (x=drive wheels)	mm	1x +2/4
Track width, front, driving side	mm	498
Track width, rear, loading side	mm	366
Dimensions		
Lift (h3)	mm	540
Initial lift (h5)	mm	120
Height drawbar in driving position min./max. (h14)	mm	715/1200
Lowered height (h13)	mm	95
Overall length (l1)	mm	1850
Length to face of forks (l1)	mm	694
Overall width (b1/ b2)	mm	710
Fork dimensions (s/ e/ l)	mm	60/190/1150
Outside width of the forks (b5)	mm	560
Ground clearance, center of wheelbase (m2)	mm	30
Aisle width for pallets 1000 x 1200 crossways (Ast)	mm	1913
Aisle width for pallets 800 x 1200 lengthways (Ast)	mm	2113
Turning radius (Wa)	mm	1615
Performance Data		
Travel speed, laden/ unladen	km/h	5/5.5
Support arm lifting speed, laden/ unladen	m/ s	0.024/0.025
Mast lifting speed, laden/ unladen	m/ s	0.07/0.121
Support arm lowering speed, laden/ unladen	%	0.050/0.032
Mast lowering speed, laden/ unladen		0.13/0.1
Max. gradeability, laden/ unladen		8/16
Service brake type		Electromagnetic
Electric Engine		
Drive motor rating S2 60 min	kW	1.27
Lift motor rating at S3 15%	kW	0.84
The maximum allowed size battery	mm	650x150x625
Battery voltage/ nominal capacity K5	V/Ah	24/150
Battery weight	kg	140
Addition Data		
Type of drive unit		AC
Steering type		mechanical
Sound pressure level at the driver's ear	dB (A)	74

Rated Capacities Graph

		Lift Height (mm)	Capacity (kg)
	Mast Fork A	630	650
	Support Arm B	210	A+B≤2000

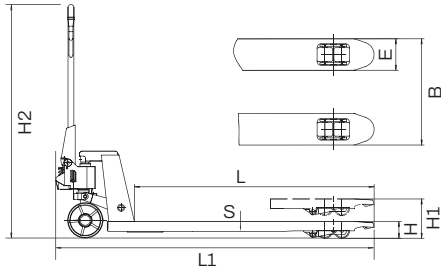
158)



RZ Series Hand Pallet Truck

Product code		RZ 25N	RZ 25	RZ 30N	RZ 30
Capacity	kg	2500	2500	3000	3000
Min. fork height (H)	mm	85	85	85	85
Max. fork height (H1)	mm	190 / 200	190 / 200	190 / 200	190 / 200
Max. lifting height	mm	≥110			
Fork outside width (B)	mm	540	685	540	685
Fork inside width	mm	220	365	220	365
Fork length (L)	mm	1150	1220	1150	1220
Single fork size (E) x (S)	mm	160 x 50			
Overall length (L1)	mm	1315-1620			
Overall width	mm	540	685	540	685
Overall height (H2)	mm	1245			
Single load wheel	mm	Ø80 x 93			
Steering wheel	mm	Ø180 x 50			
Material of wheel		PU / Nylon			

Product colours depends on stock: red / yellow.



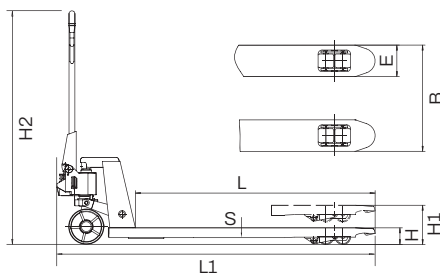
- 3 position control handle.
- Casting steel pump with safety overload & bypass system.
- Entry & exit rollers.
- Top balanceable reinforced fork frame.
- Solid steel lifting rods for extra strength.

159)

Low Profile Hand Pallet Truck

Product code		RZ 20LPN	RZ 20LP
Capacity	kg	2000	2000
Min. fork height (H)	mm	52	
Max. fork height (H1)	mm	140 / 160	190 / 200
Max. lifting height	mm	88 / 95	≥110
Fork outside width (B)	mm	540	685
Fork inside width	mm	200	
Fork length (L)	mm	1150	1220
Single fork size (E) x (S)	mm	160 x 37	160 x 50
Overall length (L1)	mm	1315-1620	
Overall width	mm	520	
Overall height (H2)	mm	1225	1245
Single loading wheel	mm	Ø50 x 93	
Steering wheel	mm	Ø160 x 50	Ø180 x 50
Material of wheel		PU / Nylon	

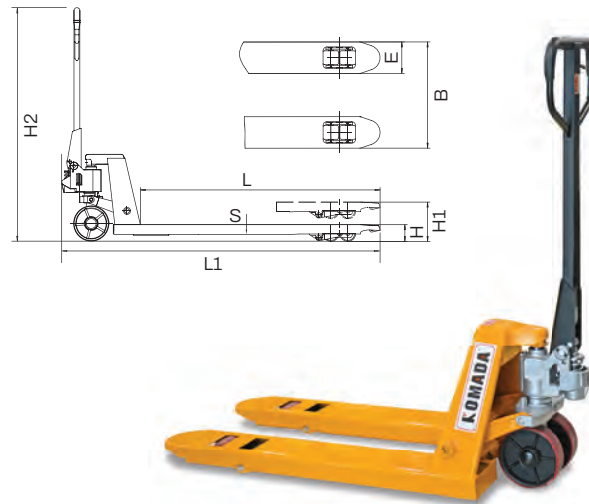
Product colours depends on stock: red / yellow.





160)

Short Fork Hand Pallet Truck		
Product code		RZ 25SF
Capacity	kg	2500
Min. fork height (H)	mm	85
Max. fork height (H1)	mm	200
Max. lifting height	mm	≥110
Fork outside width (B)	mm	540
Fork inside width	mm	220
Fork length (L)	mm	915
Single fork size (E) x (S)	mm	160 x 50
Overall length (L1)	mm	1315-1620
Overall width	mm	540
Overall height (H2)	mm	1245
Single loading wheel	mm	Ø80 x 93
Steering wheel	mm	Ø180 x 50
Material of wheel		PU / Nylon



Product colours depends on stock: red / yellow.

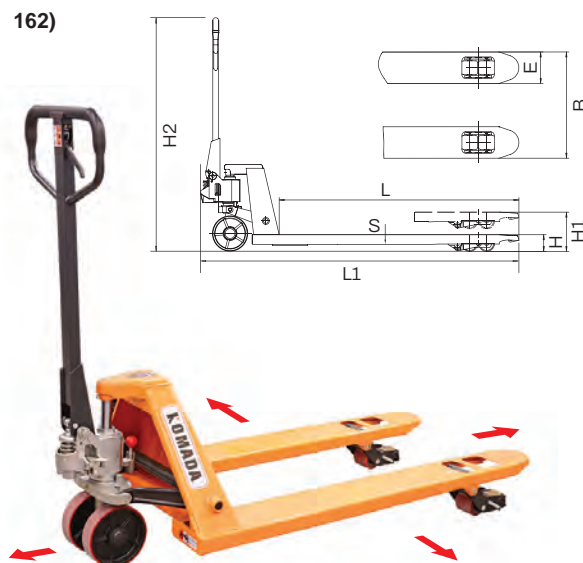
161)



Long Fork Hand Pallet Truck			
Product code		RZ 30XL	RZ 30XXL
Capacity	kg	3000	3000
Overall width	mm	685	685
Fork length	mm	1500	1800
Fork width	mm	160	
Min. fork height	mm	85	
Max. fork height	mm	200	
Steering wheel	mm	Ø180 x 50	
Loading wheel	mm	Ø74 x 70	
Material of wheel		PU / Nylon	

Product colours depends on stock: red / yellow.

162)



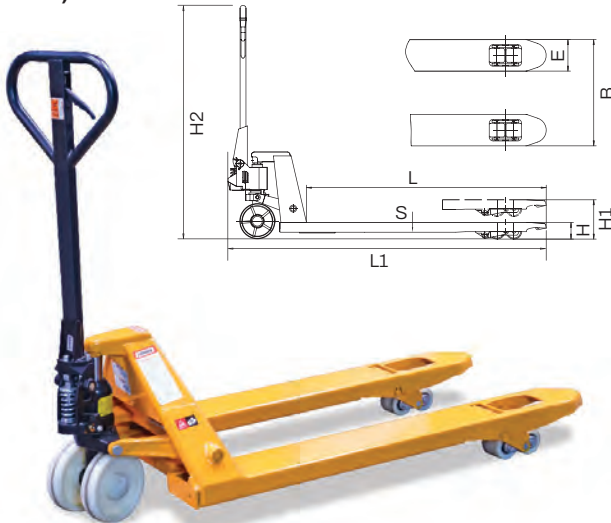
Four Way Hand Pallet Truck		
Product code		RZ 20FW
Capacity	kg	2000
Min. fork height (H)	mm	85
Max. fork height (H1)	mm	200
Fork outside width (B)	mm	685
Fork inside width	mm	375
Fork length (L)	mm	1220
Single fork size (E) x (S)	mm	160 x 50
Overall length (L1)	mm	1315-1620
Overall width	mm	685
Overall height (H2)	mm	1245
Tandem loading wheel	mm	Ø74 x 70
Steering wheel	mm	Ø180 x 50
Material of wheel		PU / Nylon

Product colours depends on stock: red / yellow.



- Allows operator to handle pallets easily in all four directions.
- Fork height less than 160mm straight line movement mode.
- Fork height more than 185mm lateral movement mode.

163)



Heavy Duty Hand Pallet Truck

Product code		HP 50N	HP 50
Capacity	kg	5000	5000
Fork size	mm	180 x 60 x 1220	180 x 60 x 1220
Fork outside width	mm	540	685
Loading wheel	mm	Ø80 x 70	Ø80 x 70
Steering wheel	mm	Ø180 x 50	Ø180 x 50
Min. fork height	mm	85	85
Max. fork height	mm	200	200
Material of wheel		nylon / polyurethane	

Product colours depends on stock: red / yellow.

164)

Weight Scale Hand Pallet Truck

Product code		RZ ES25
Capacity	kg	2500
Min. fork height	mm	85
Max. fork height	mm	200
Fork outside width	mm	685
Fork inside width	mm	365
Fork length	mm	1220
Single fork size	mm	160 x 50
Overall length	mm	1570-1640
Overall width	mm	685
Overall height	mm	1245
Loading wheel	mm	Ø80x70
Steering wheel	mm	Ø180x50
Min. turning radius	mm	1450
Material of wheel		Polyurethane (PU)

Product colours depends on stock: red / yellow.

- Features weighing accuracy ±1kg for load 2500kg.
- Printer available.
- Kilogram or pounds available.



165)

Hot Dipped Galvanized Hand Pallet Truck

Product code		RZHG25	RZHG30
Capacity	kg	2500	3000
Overall width	mm	685	685
Fork length	mm	1220	1220
Min. fork height	mm	85	
Max. fork height	mm	200	
Steering wheel	mm	Ø180x50	
Loading wheel	mm	Ø80x70	
Material of wheel		Nylon / PU	



166)



Stainless Steel Hand Pallet Truck			
Product code		RZ 20SSN	RZ 20SS
Capacity	kg	2000	2000
Overall width	mm	540	685
Fork length	mm	1150	1220
Min. fork height	mm	85	
Max. fork height	mm	200	
Steering wheel	mm	Ø180x50	
Loading wheel	mm	Ø80x70	

167)

DF Series Hand Pallet Truck			
Product code		DF 30N	DF 30
Capacity	kg	3000	3000
Single fork size	mm	160 x 60 x 1150	160 x 60 x 1220
Wheel type	mm	nylon / polyurethane	
Loading wheel	mm	Ø74 x 93	Ø74 x 93
Steering wheel	mm	Ø180 x 50	Ø180 x 50
Min. fork height	mm	75	75
Max. fork height	mm	190	190
Overall length	mm	1485	1605
Overall width	mm	550	685
Overall height	mm	1216	1216



Product colours depends on stock: red / yellow.

168)

Scissor Lift Pallet Truck			
Product code		SPA 15N	SPA 15
Capacity	kg	1500	
Overall width	mm	540	680
Fork size	mm	160 x 50	
Fork length	mm	1150	
Overall vehicle size	mm	1540 x 685 x 1235	
Min. fork height	mm	85	
Max. fork height	mm	800	
Loading wheel	mm	Ø74 x 50	
Steering wheel	mm	Ø180 x 50	



Product colours depends on stock: red / yellow.

- Hard chrome plated ram and piston.
- 3-position control, FAST-WORK-DOWN.
- Equipped with overload valve.
- One piece of formed steel "C" channel tapered, reinforced forks.
- Tapered fork ends and nylon rollers permit easy entry and exit of pallets.

* Materials & specifications are subject to change without prior notice.

169)



TFA 1000

Table Lifter		TFA 150	TFA 500	TFA 1000
Product code				
Capacity	kg	150	500	1000
Min. height of platform	mm	220	290	390
Max. height of platform	mm	720	900	1000
Platform size	mm	700x450x40	815x510x50	1000x510x55
Foot pedal strokes reach max. height	mm	≤25	≤30	≤79

Product colours depends on stock: red / yellow.

170)

Double Scissor Table Lifter		TLD 500	TLD 1000
Product code			
Capacity	kg	500	1000
Platform size	mm	910 x 510 x 50	1200 x 610 x 60
Min. / max. height of platform	mm	360 / 1500	500 / 1700
Foot pedal cycles to max.		≤76	≤145
Wheel size	mm	Ø125 x 50	Ø150 x 50

Product colours depends on stock: red / yellow.



171)



Table Lifter		TFD 350
Product code		
Capacity	kg	350
Min. height of table	mm	360
Max. height of table	mm	1300
Platform size	mm	910 x 510 x 50
Handle height	mm	980
Foot pedal cycles to max.		≤74
Diameter of the wheel	mm	Ø125 x 50

Product colours depends on stock: red / yellow.

172)

Electric Hydraulic Table Lifter		ET100S	ET200S	ET4000S	ET100SD	ET200SD
Product code						
Capacity	kg	1000	2000	4000	1000	2000
Min. height of table	mm	240	250	300	305	360
Max. height of table	mm	1300	1300	1400	1780	
Platform size	mm	1000 x 2000	1000 x 2000	1200 x 2200	1300 x 820	
Lowering speed		Controlled				
Service voltage	V	380				
Power	W	1000	1500	2200	2200	

Product colours depends on stock: red / yellow.



ET-S

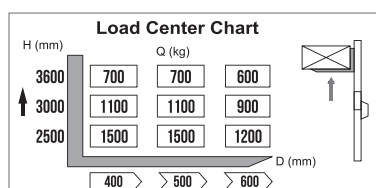


ET-SD



FULLY POWERED STACKER

Product code	EST 152-1527	EST 152-1530	EST 152-1536	
Drive unit	Electrics			
Operator type	Pedestrian			
Rated capacity (Q)	kg	1500		
Load center distance (c)	mm	500		
Load distance (x)	mm	798		
Wheel base (y)	mm	1212		
Weight				
Service weight (include battery)	kg	595		
Axle loading. laden driving side/loading side	kg	825/1270		
Axle loading. unladen driving side/loading side	kg	450/145		
Types Chassis				
Tyre type driving wheels/loading wheels	PU/PU			
Tyre size, driving wheels (diameter x width)	mm	Ø210x70		
Tyre size, loading wheels (diameter x width)	mm	Ø74x72		
Tyre size, caster wheels (diameter x width)	mm	Ø180x55		
Wheels, number driving, caster/loading (x=drive wheels)	mm	1x +1/4		
Track width, front, driving side	mm	531		
Track width, rear, loading side	mm	405		
Dimensions				
Height, mast lowered (h1)	mm	1956	2106	2406
Lift height (h3) + (h13)	mm	2720	3020	3620
Height, mast extended (h4)	mm	3271	3571	4171
Height drawer in driving position min. / max.	mm	750/1340		
Lowered height (h13)	mm	85		
Overall length (l1)	mm	1713		
Length to face of fork (l2)	mm	563		
Overall width (b1)	mm	792		
Fork dimensions (s/ e/ l)	mm	60/ 170/ 1150		
Fork carriage width	mm	680/770		
Distance between fork-arms	mm	570/685		
Ground clearance, carrier of wheelbase	mm	25		
Aisle width for pallets 1000 x 1200 crossways	mm	2224		
Aisle width for pallets 800 x 1200 lengthways	mm	2158		
Turning radius	mm	1390		
Performance Data				
Travel speed, laden/ unladen	km/h	4.2/4.5		
Lifting speed, laden/ unladen	m/ s	0.08/0.14		
Lowering speed, laden/ unladen	m/ s	0.11/0.10		
Max. gradeability, laden/ unladen	%	3/10		
Service brake type	electromagnetic			
Electric Engine				
Drive motor rating S2 60 min	kW	0.75		
Lift motor rating at S3 15%	kW	2.2		
The maximum allowed size battery	mm	260x165x210		
Battery voltage/ nominal capacity K5	V/Ah	2x 12/85		
Battery weight	kg	2x24		
Addition Data				
Type of drive unit	DC			
Steering type	mechanical			
Sound pressure level at the driver's ear	dB (A)	74		



173)



Strong chassis

The side impact beam, plates, and boxes make the chassis stronger and can greatly reduce stress and deformation caused by heavy load.

Rigid mast

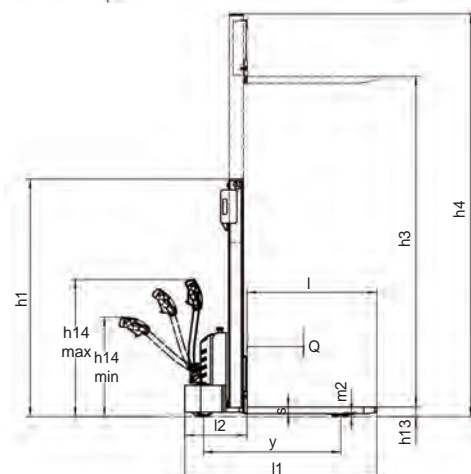
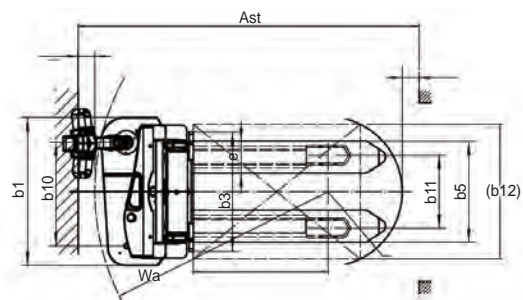
The rigidity of the mast is greatly improved by its beam structure to provide smooth lifting and stacking for daily operation.

Easy operation

The extra-long and offset tiller with the crawl speed button provides EST152 a better visibility and nimble maneuverability when operating in tight space.

Efficient hydraulic system

High quality hydraulic pump ensures very little noise, maximum efficiency, durability and shortens lifting time.



* Materials & specifications are subject to change without prior notice.

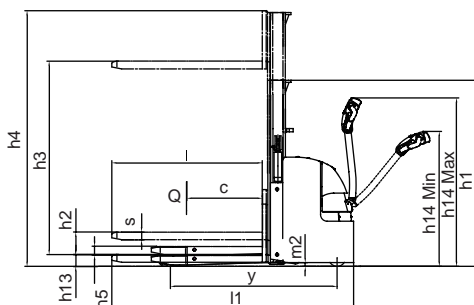
FULLY POWERED STACKER

174)

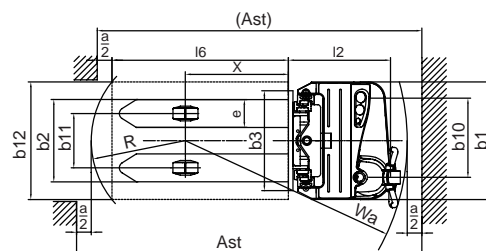


Rated Capacities Graph

		Lift Height (mm)	Capacity (kg)
	Mast Fork A	1600	1200
		2700	1100
		3000	1000
		3300	800
		3600	600
Support Arm B	210	A+B≤2000	



Product code		ES12-12Wai
Drive unit		Battery
Operator type		Pedestrian
Rated capacity (Q)	kg	1200
Load center distance (c)	mm	600
Load distance, centre of drive axle to fork (x)	mm	701
Wheel base (y)	mm	1275
Weight		
Service weight (include battery)	kg	940
Axle loading, laden driving side/loading side	kg	735/1405
Axle loading, unladen driving side/loading side	kg	640/300
Types Chassis		
Tyre type driving wheels/loading wheels		PU/PU
Tyre size, driving wheels (diameter x width)	mm	Ø230x75
Tyre size, loading wheels (diameter x width)	mm	Ø85x70
Tyre size, caster wheels (diameter x width)	mm	Ø130x55
Wheels, number driving, caster/loading (x=drive wheels)	mm	1x +1/4
Track width, front, driving side	mm	538
Track width, rear, loading side	mm	370
Dimensions		
Height, mast lowered (h1)	mm	1970
Free lift (h2)	mm	100
Lift height (h3)	mm	2915
Height, mast extended (h4)	mm	3529
Initial lift (h5)	mm	120
Height drawbar in driving position min./max. (h14)	mm	715/1200
Lowered height (h13)	mm	95
Overall length (l1)	mm	1847
Length to face of forks (l2)	mm	697
Overall width (b1)	mm	800
Fork dimensions (s/ e/ l)	mm	60x190x1150
Fork carriage width (b3)	mm	680
Outside width of the forks (b5)	mm	560
Ground clearance, center of wheelbase (m2)	mm	30
Aisle width for pallets 1000 x 1200 crossways (Ast)	mm	2378
Aisle width for pallets 800 x 1200 lengthways (Ast)	mm	2350
Turning radius (Wa)	mm	1510
Performance Data		
Travel speed, laden/ unladen	km/h	5.0/5.5
Lifting speed, laden/ unladen	m/ s	0.11/0.16
Lowering speed, laden/ unladen	m/ s	0.19/0.18
Max. gradeability, laden/ unladen	%	8/16
Service brake type	Electromagnetic	
Electric Engine		
Drive motor rating S2 60 min	kW	1.1
Lift motor rating at S3 15%	kW	2.2
The maximum allowed size battery	mm	788 x 180 x 560
Battery voltage/ nominal capacity K5	V/Ah	24/120
Battery weight	kg	190
Addition Data		
Type of drive unit	AC	
Steering type	mechanical	
Sound pressure level at the driver's ear	dB (A)	74





175)

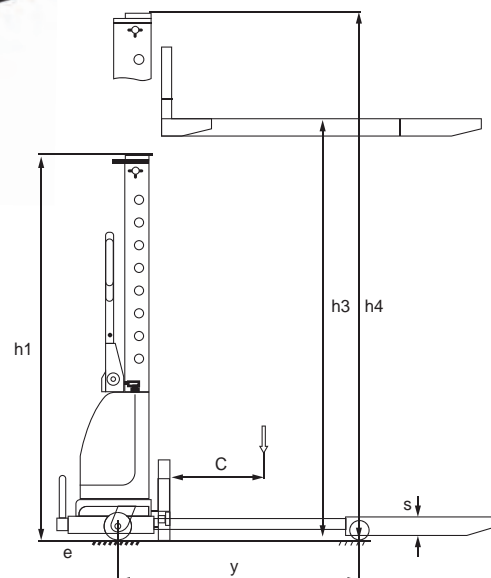
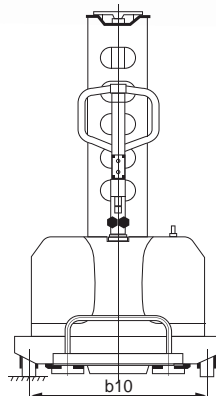
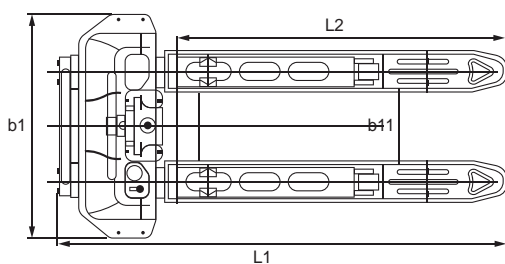
Advantage

- Loading capacity: 500kg, 700kg, 1000kg is optional.
- Lifting height is 800-1500mm. At max lifting height, the loading is no reduce.
- Semi electric type self lifting stacker, the lifting and lowering speed is adjustable, according to the user's needs.
- Steering chain auxiliary device.
- Over discharge protection, extending battery life.
- Sealed batteries free of maintenance, safe operation and no pollution.
- Explosion-proof valve design, down more stable and reliable.
- 700kg model adds the design of the armrest to facilitate the lifting of the cargo.
- Add the design of the guide rail, makes pushing and pulling the goods more labor saving and convenient.

SELF LIFTING STACKER

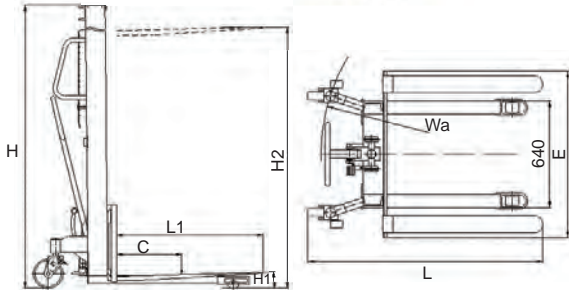
Product code		ZTS 0513
Base		
Capacity	kg	500
Load center (C)	mm	400
Type of lifting	Electric	
Operating type	Walkie	
Wheel		
Material	Nylon / PU	
Wheel base (y)	mm	860
Front wheel base (b11)	mm	380
Back wheel base (b10)	mm	670
Qty of Steering / Bearing / Balance Wheel	2/2/6	
Bearing wheel	mm	Ø70 x 60
Steering wheel	mm	Ø100 x 50
Balance wheel	mm	Ø40 x 26
Training wheel	mm	Ø30 x 26
Dimension		
Min. fork height	mm	90
Max. fork height (h3)	mm	1300
Fork outside width	mm	535
Fork inside width	mm	225
Fork length	mm	1150
Single fork size (e/s)	mm	155/60
Overall length (L1)	mm	1600
Overall width (b1)	mm	790
Overall height (h1)	mm	1600
Whole height (after tape file shelf) (h4)	mm	2900
Length of vertical surface to fork (L2)	mm	1150
Min. turning radius	mm	1120
Performance		
Lifting speed (laden/unladen)	m/ s	80/110
Lowering speed (laden/unladen)	m/ s	80/80
Electrical		
Lift motor	V/Kw	12/0.8
Battery capacity	V/Ah	12/33
Weight		
Battery weight	kg	10

Product colours depends on stock: red / yellow.



* Materials & specifications are subject to change without prior notice.

176)



Hydraulic Manual Stacker

Product code		RSD 1016	RSD 1516	RSD 2016
Base				
Capacity	kg	1000	1500	2000
Load center (C)	mm	400		
Type of lifting		Hand / Foot Pump		
Operating type		Walkie		
Wheel				
Material		Nylon		
Qty steering / loading wheel		2/2		
Wheel base	mm	1140		
Loading wheel	mm	Ø80 x 60		
Steering wheel	mm	Ø180 x 50		
Dimension				
Min. fork height (H1)	mm	90		
Max. fork height (H2)	mm	1600		
Fork outside width	mm	320-720	340-830	340-740
Fork inside width	mm	20-320	20-340	20-340
Fork length (L1)	mm	1000 (cover fork)		
Single fork size	mm	150/60	160/60	160/60
Overall length (L)	mm	1525	1525	1525
Overall width (E)	mm	790	890	790
Overall height (H)	mm	1985	2085	2085
Min. turning radius (Wa)	mm	1400		
Performance				
Foot pedal cycles to max. (laden)	times	≤76	≤110	≤110
Lowering speed (laden / unladen)	mm/s	Controlled		

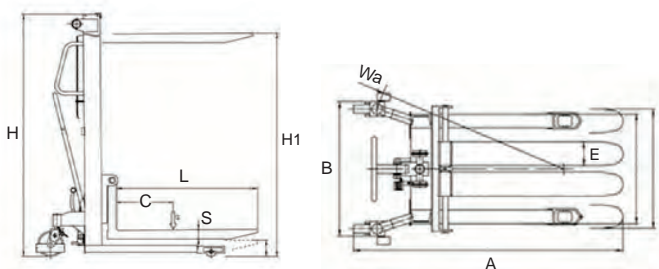
Product colours depends on stock: red / yellow.

177)

Hydraulic Manual Stacker

Product code		RSD 1025	RSD 1030
Base			
Capacity	kg	1000	1000
Load center (C)	mm	400	
Type of lifting		Hand / Foot Pump	
Operating type		Walkie	
Wheel			
Material		Nylon	
Quantity of Steering / loading wheel		2/2	
Wheel base	mm	1140	
Loading wheel	mm	Ø80 x 60	
Steering wheel	mm	Ø180 x 50	
Dimension			
Min. fork height	mm	90	
Max. fork height (H1)	mm	2500	3000
Fork outside / inside width	mm	320-720 / 20-320	
Single fork size (E) x (S)	mm	150 x 60	
Fork length (L)	mm	1000	
Overall length (A)	mm	1525	
Overall width (B)	mm	790	
Overall height (H)	mm	1825	2085
Minimum turning radius (Wa)	mm	1400	
Performance			
Max. pump pressure (laden)	times	≤ 95	≤120
Lowering speed (laden / unladen)	m/ s	Controlled	

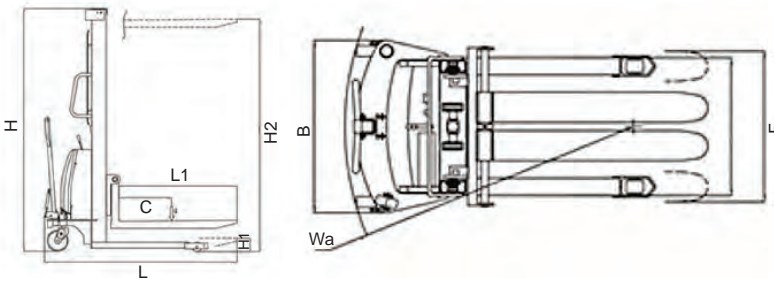
Product colours depends on stock: red / yellow.



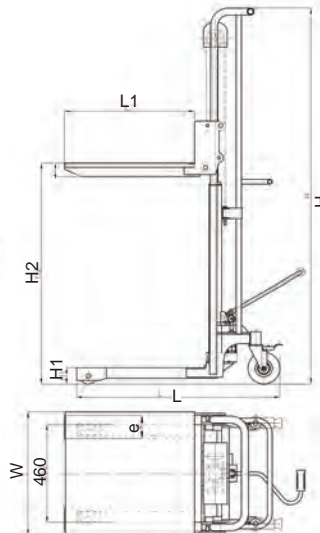
178)

Semi Powered Stacker							
Product code		SEM 1025	SEM 1030	SEM 1035	SEM 1525	SEM 1530	SEM 1535
Capacity	kg	1000			1500		
Load center (C)	mm	450					
Type of lifting		Electric					
Operating type		Walkie					
Wheel							
Material		Nylon					
Qty of Steering / loading wheel		2/2					
Wheel base	mm	1182					
Loading wheel	mm	Ø80 x 60					
Steering wheel	mm	Ø180 x 50					
Dimension							
Min. fork height (H1)	mm	90					
Max. fork height (H2)	mm	2500	3000	3500	2500	3000	3500
Fork outside width (E)	mm	320-740					
Fork inside width	mm	20-440					
Fork length (L1)	mm	1150					
Single fork size	mm	150/60					
Overall length (L)	mm	1810					
Overall width (B)	mm	770					
Overall height (H)	mm	1830	2080	2330	1880	2130	2380
Maximum lifting stroke	mm	2410	2910	3410	2410	2910	3410
Minimum turning radius (Wa)	mm	1450					
Performance							
Max. lifting height (laden / unladen)	mm/s	40-50 / 85-95					
Lowering speed (laden / unladen)	mm/s	90-110 / 85-95					
Electric							
Lifting motor	Kw	1.6					
Battery capacity	V/Ah	12V120					

Product colours depends on stock: red / yellow.



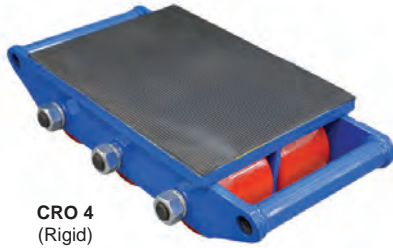
179)



Manual Platform Stacker		
Product code		PS 0415
Capacity	kg	400
Load center	mm	350
Type of lifting	mm	Foot
Operating type	mm	Walkie
Material of wheel	mm	PU
Bearing wheel	mm	Ø75 x 42
Steering wheel	mm	Ø150 x 38
Min. / Max. fork height (H1) / (H2)	mm	90 / 1500
Fork outside / inside width	mm	550 / 310
Single fork size (e x W x L1)	mm	60 x 120 x 615
Overall size (H x W x L)	mm	1770 x 610 x 1000
Min. turning radius	mm	1022
Fork lifting height to maximum pump pressure times		≤48
Lowering speed		Foot control

Product colours depends on stock: red / yellow.

180)



CRO 4
(Rigid)

CRO Series Mover Skate

Product code		CRO 4	CRO 6	CRO 8
Capacity	tonne	6	8	12
Dimension LxWxH	mm	304x222x95	404x222x95	504x222x95
Net weight	kg	13	20	26
Package	mm	320x240x110	420x240x110	520x240x110

181)



CRA 4
(Swivel)

CRA Series Mover Skate

Product code		CRA 4	CRA 6	CRA 8
Capacity	tonne	6	8	12
Dimension LxWxH	mm	304x222x110	404x222x110	504x222x110
Net weight	kg	14.5	21.5	27.5
Package	mm	320x240x120	420x240x120	520x240x120

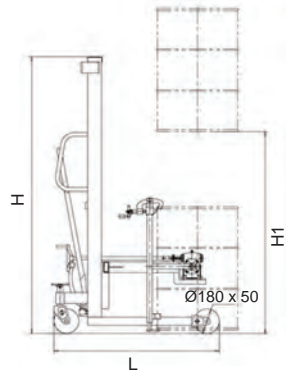
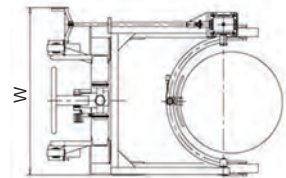
- Transport trolleys can be used wherever heavy objects have to be moved.
- The load can be lifted using either the roller crowbar on a jack allowing the transport trolleys to be easily positioned.

182)



Manual Drum Handler

Product code		COT 400
Capacity	kg	400
Type of lifting		Hand / Foot Pump
Operating type		Walkie
Tilt angle		180°
Wheel		
Material		Nylon
Qty of Steering / loading wheel		2/2
Wheel base	mm	1080
Loading wheel	mm	Ø180 x 50
Steering wheel	mm	Ø180 x 50
Dimension		
Drum vertical lifting height (H1)	mm	1450
Drum elevation level	mm	1350
Drum 135° tilt height	mm	1250
Overall length (L)	mm	1200
Overall width (W)	mm	960
Overall height (H)	mm	2030
Min. turning radius	mm	1250



Product colours depends on stock: red / yellow.



183)

4 Wheel Multi Function Drum Truck

Product code: **50MF**

- Load / unloads off pallet and ground.
- Transport drum on 4 wheels.
- Roller bearing wheels enable agitation of drum contents while in a horizontal position.
- Load capacity 300kgs.

Product colours depends on stock.



184)

2 Wheel Easy Tilt Drum Truck

Product code: **5ET**

- Perfect axle placement and ball bearing centered wheel guarantee strain free drum transport.
- Load capacity 300kgs.

Product colours depends on stock.

* Materials & specifications are subject to change without prior notice.

185)



Product colours depends on stock: red / yellow.

Hand Pump Drum Porter

Product code		DT 250
Capacity	kg	250
Type of lifting	mm	Hand pump
Operating type	mm	Walkie
Suitable for drum	mm	Ø590, 55 gallon steel drum
Wheel		
Qty of steering / loading wheel		1/2
Loading wheel	mm	Ø180 x 50
Steering wheel	mm	Ø125 x 35
Dimension		
Drum vertical lifting height	mm	280
Inside leg width	mm	630
Overall length	mm	810
Overall width	mm	820
Overall height	mm	1050
Min. turning radius	mm	1250

186)



Foot Pump Drum Porter

Product code		DTF 450
Capacity	kg	365
Suitable drum size	gallon	Ø590, 55 gallon steel drum
Lifting height	mm	640
Overall size	mm	1160 x 1220 x 800
Wheel size	mm	Ø150 x 50, Ø100 x 32

Product colours depends on stock: red / yellow.

187)



- › All steel construction.
- › For lifting 210 litre drums with overhead hoist.
- › For open top and tight head steel drum.
- › When central over the horizontal to set locking lever in locked open position, drum release lever allow hooks to fall and locate under both rims. Hooks automatically engage as is lifted and disengage as drum is set down.

Overhead Horizontal Drum Clamp

Product code		DN 500
Capacity	kg	500
Drum	gallon / litre	55 / 210
N.W.	kg	7.6

Product colours depends on stock: red / yellow.

188)



Overhead Chain Clamp

Product code		SL 1
Rated capacity	kg	1000
Chain size	mm	Ø6x18
Chain length	mm	500
N.W.	kg	3.6

Product colours depends on stock available.

189)



- › Suitable for lifting drums in vertical position.
- › It is manufactured by low carbon high quality alloy steel forging.
- › Easy drum tongs is subject to test load at 1.5x rated load capacity.

Drum Tongs

Product code		QT 200
Capacity	kg	200
Jaw opening	mm	1-9
N.W.	kg	1.3

Product colours depends on stock available.

* Materials & specifications are subject to change without prior notice.

190)



- For lifting 210 litre open top and tight head steel drum, and plastic drums with L or X rings.
- Welded gripping hocks.
- Fitted with 20mm diameter steel pin for attaching to overhead hoist or crane.

Drum Tongs

Product code		DL 360
Capacity	kg	360
Drum	gallon / litre	55 / 210
N.W.	kg	4.5

Product colours depends on stock: red / yellow.

191)



- All steel construction.
- Easy moves and handle open or closed head loaded steel drums. Allows quick, gentle loading into overpacks and keeps drums upright during lift, reducing spills and injuries.
- Works easily with overhead hoist or hook from forklift.

Overhead Vertical Drum Clamp

Product code		DL 350
Capacity	kg	350
Drum	litre	210
N.W.	kg	6.69

Product colours depends on stock: red / yellow.

192)



Overhead Rotation Clamp

Product code		LG 800
Rated capacity	kg	365
Drum	gallon / litre	55 / 210
Net Weight	kg	38

Product colours depends on stock: red / yellow.

193)



Forklift Drum Tipper

Product code		HK285A
Rated capacity	kg	364
Drum	gallon / litre	55 / 210
Fork opening	mm	620
Fork pocket	mm	65H x 180W
Weight	kg	70

Product colours depends on stock: red / yellow.

194)



Eagle Grip Forklift Single Drum Attachment

Product code		EG 1
Rated capacity	kg	360
Drum	gallon / litre	55 / 210
Net weight	kg	60

Product colours depends on stock: red / yellow.

195)

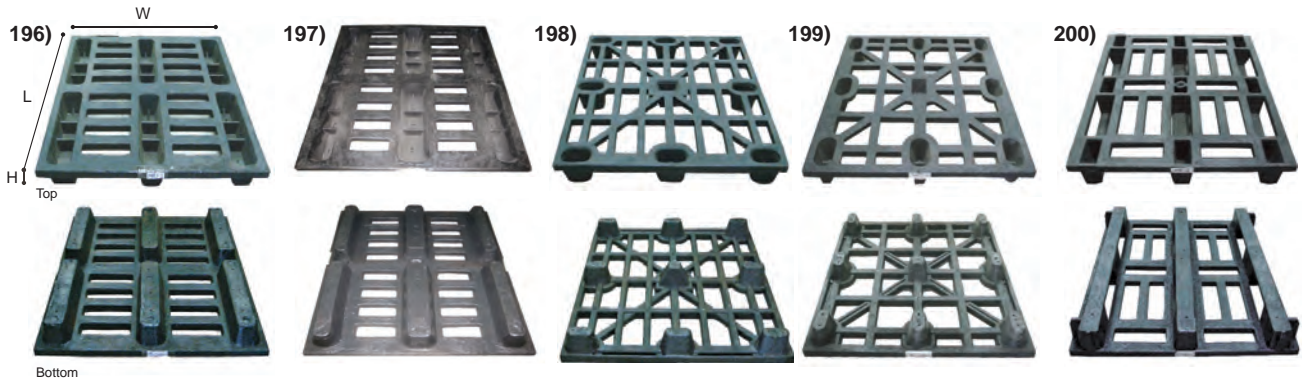


Eagle Grip Forklift Double Drum Attachment

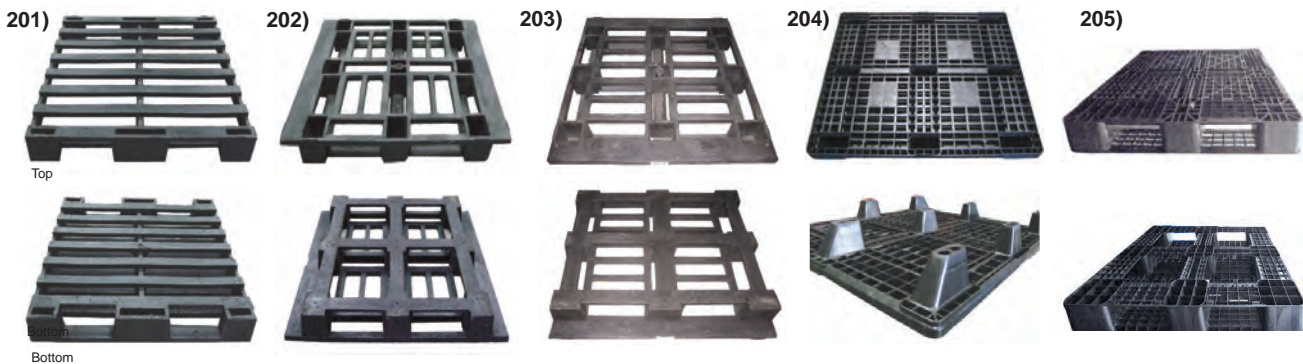
Product code		EG 2
Rated capacity	kg	720
Drum	gallon / litre	(55 / 210) x 2
Net weight	kg	96

Product colours depends on stock: red / yellow.

PLASTIC PALLET



Product code		PP1 (Heavy Duty)	PP2 (Heavy Duty)	PP3 (Heavy Duty)	PP4 (Heavy Duty)	PP5 (Heavy Duty)
Dimension	mm	1200W x 1200L x 140H	1000W x 1200L x 130H	1200W x 1200L x 150H	1000W x 1200L x 150H	1000W x 1200L x 160H
Function		Stackable	Stackable	Stackable	Stackable	Non-reversible
Weight	kg	47±	35 ±	35 ±	29 ±	40 ±
Static load	ton	4.5	4.5	4.5	4.5	4.5
Dynamic load	ton	1.5	1.5	1.5	1.5	1.5



Product code		PP6 (Heavy Duty)	PP7 (Heavy Duty)	PP8 (Heavy Duty)	PP9 (Export use)	PP10 (Export use)
Dimension	mm	1110W x 1110L x 130H	1030W x 1220L x 160H	1220W x 1220L x 160H	1020W x 1220L x 135H	1130W x 1130L x 130H
Function		Reversible	Non-reversible	Non-reversible	Stackable	Non-reversible
Weight	kg	46 ±	44 ±	46 ±	6.8 ±	9.0 ±
Static load	ton	5.0	4.5	4.5	2.0	2.0
Dynamic load	ton	2.0	1.5	1.5	1.0	1.0

206)



Product code		S1010	S1110	S1111	S1210	S1211
Dimension	mm	1000 x 1000 x 140	1000 x 1100 x 140	1100 x 1100 x 140	1200 x 1000 x 140	1200 x 1100 x 140
Function		Non-reversible				
Weight	kg	6.5 ±	7 ±	7.6 ±	7.5 ±	8.3 ±
Static load	kg	2000kg unified load				
Dynamic load	kg	1000kg unified load				

* Materials & specifications are subject to change without prior notice.

PLASTIC PALLET

207)



Product code		SH1010	SH1110	SH1111	SH1210	SH1211
Dimension	mm	1000 x 1000 x 140	1000 x 1100 x 140	1100 x 1100 x 140	1200 x 1000 x 140	1200 x 1100 x 140
Function		Non-reversible				
Weight	kg	8 ±	8.5 ±	9 ±	8.9 ±	9.7 ±
Static load	kg	2000kg unified load				
Dynamic load	kg	1000kg unified load				
Racking load	kg	300kg unified load				

208)



Top

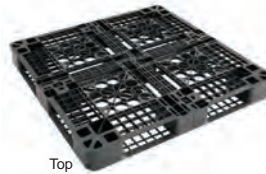


Bottom

209)



210)

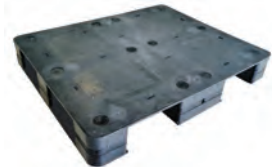


Top



Bottom

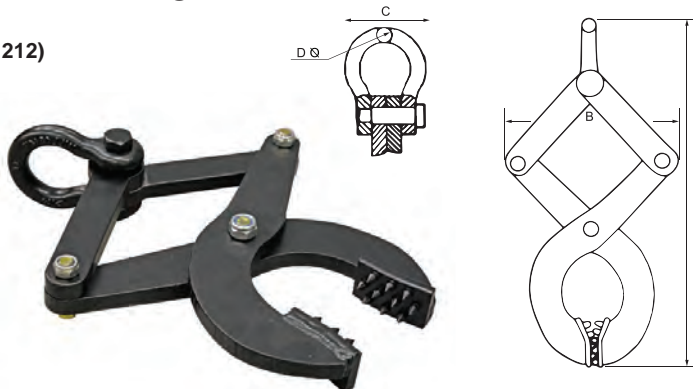
211)



Product code		F1210 (Double Deck)	M1111 (Double Deck)	L1111 (Double Deck)	MF1210
Dimension	mm	1000W x 1200L x 150H	1100W x 1100L x 150H	1100W x 1100L x 120H	1200W x 1000L x 150H
Function		Non-Reversible	Non-reversible	Non-reversible	Non-reversible
Weight	kg	22 ±	16 ±	9 ±	19 ±
Static load	kg	4000kg unified load	4000kg unified load	2000kg unified load	4000kg unified load
Dynamic load	kg	1000kg unified load	1000kg unified load	1000kg unified load	1000kg unified load
Racking load	kg	1000kg unified load	500kg unified load	N/A	1000kg unified load

PALLET PULLER

212)



Pallet Puller		
Product code		VK 2
Capacity	kg	2000
Range	mm	30-200
Dimension	mm	(A) 340-552
		(B) 310-390
		(C) 88
		(D) 19
Packing measurement	mm	405 x 285 x 90 (Internal)
		590 x 415 x 210/4pcs (External)
Net weight	kg	9

213)



Aluminium Single Sided Ladder

Product code: **K104 - K116**

Features

- Available in many sizes from 4 to 16 steps.
- Economical model for general application.
- Wide non-slip step provide comfort and stability.
- Powder coated and durable.
- Extra double groove design for better loading.

214)



Aluminium Double Sided Ladder

Product code: **SDS04 - SDS16**

Features

- Available in many sizes from 4 to 16 steps.
- Identical front and back sections allow access from either side.
- Wide flat top good for tool rest.
- Natural anodized for durability.

215)



Aluminium Single Sided Heavy Duty Ladder

Product code: **HD04 - HD18**

Features

- Available in many sizes from 4 to 18 steps.
- Heavy duty siderails for exceptional load rating.
- Wide non-slip step provide comfort and stability.
- Powder coated.

216)



Aluminium Double Sided Heavy Duty Ladder

Product code: **DSHD04 - DSHD18**

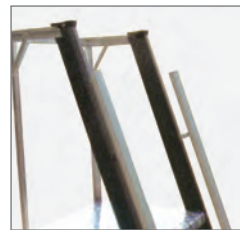
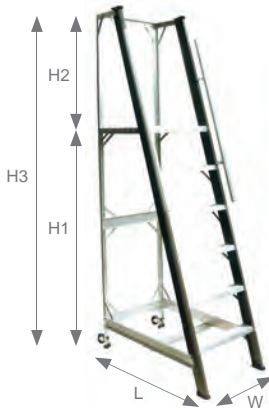
Features

- Available in many sizes from 4 to 18 steps.
- Heavy duty siderails for exceptional load rating.
- Wide non-slip step provide comfort and stability.
- Powder coated.

Design for: General household application.

Product Code		K104	K105	K106	K107	K108	K109	K110	K111	K112	K114	K116	-
		SDS04	SDS05	SDS06	SDS07	SDS08	SDS09	SDS10	SDS11	SDS12	SDS14	SDS16	-
		HD04	HD05	HD06	HD07	HD08	HD09	HD10	HD11	HD12	HD14	HD16	HD18
		DSHD04	DSHD05	DSHD06	DSHD07	DSHD08	DSHD09	DSHD10	DSHD11	DSHD12	DSHD14	DSHD16	DSHD18
Steps	-	4	5	6	7	8	9	10	11	12	14	16	18
Height	mm	1016	1270	1524	1778	2032	2286	2540	2807	3061	3569	4077	4585

217)



Wide platform 20"x20" with heavy duty siderail & handrail.

Aluminium Warehouse Step Ladder

Design for: Ideal for factory or warehouse heavy duty application where extra wide working platform serves as good rest.

Features

- Available in 6 to 10 steps.
- Design for warehouse & factory with goods storage rack.
- Large platform 20" x 20" provide comfortable working area.
- Rear rolling wheel provide higher mobility.

Product Code		HWS06	HWS08	HWS10
Steps	-	6	8	10
H1	mm	1480	1988	2496
H2	mm	743		
H3	mm	2223	2731	3239
W	mm	524		
L	mm	937	1089	1220

218)



Aluminium E Double Step Ladder

Design for: General household application.

Features

- Available in many sizes from 3 to 8 steps.
- Made of light weight aluminium profiles and high-impact plastic parts for easy transit.
- PVC rubber shoes on 4 feet to ensure grip on floor when in use.

Product Code		EDL03	EDL04	EDL05	EDL06	EDL07	EDL08
Steps	-	3	4	5	6	7	8
Height	mm	762	1016	1270	1524	1778	2032

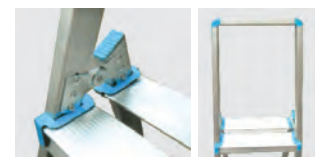
219)



Aluminium E Ladder

Easy operation durable zinc plated steel hinge with spreader to enhance spread looking.

- Quarter circle shaped 70mm extra wide steps provides firm footing and comfort.
- Natural anodized & colour PVC for durability.



Product Code		EL03	EL04	EL05	EL06	EL07	EL08
Steps	-	3	4	5	6	7	8
Upright Length	mm	1133	1387	1641	1895	2149	2403

* Materials & specifications are subject to change without prior notice.

220)



Aluminium 2 Way Ladder

Product Code	Steps	Full Length (mm)	Folded Length (mm)
TW4	8	2108	1058
TW5	10	2628	1318
TW6	12	3148	1560
TW7	14	3668	1838
TW8	16	4188	2098

Design for: General household application.

221)



Aluminium 3 Way Heavy Duty Ladder

Product Code	Steps	Full Length (mm)	Folded Length (mm)
3W05	10	3189	1593
3W06	12	3775	1886
3W07	14	4361	2179
3W08	16	4947	2472
3W09	18	5533	2765
3W10	20	6119	3058

Design for: General household application to light industry application.

222)



Aluminium 2 in 1 Ladder

Product Code	Steps	'A' Type Height (mm)	Extended Length (mm)
GL05	5	1275.08	2085.34
GL06	6	1529.08	2339.34
GL07	7	1783.08	2593.34
GL08	8	2037.08	2847.34

Design for: Light industrial applications and renovation works. Also general household application where it can be formed into either long straight ladder or self-supporting 'A' type ladder.

223)



Aluminium Multi-purpose Ladder

Product Code	Steps	Straight Length (mm)	A-Type Length (mm)	Platform Length (mm)	Folded Length (mm)	Leg Spread (mm)
SMP08	8	2601	1303	775	766	595
SMP10	10	3185	1590	1069	1055	595
SMP12	12	3769	1885	1069	1055	595
SMP14	14	4386	2194	1360	1351	595
SMP16	16	4940	2476	1360	1351	595

ectural renovations works.

224)



Aluminium Single Pole Ladder

Product Code	Rung (ft)	Full Length (m)
SM08SP	7	2.36
SM10SP	9	2.96
SM12SP	11	3.56
SM15SP	14	4.46
SM16SP	15	5.06
SM18SP	17	5.66
SM20SP	19	6.26

Design for: Industrial application where access to higher level of height is required.

225)



Aluminium Double Extension Ladder

Product Code	Rung (ft)	Length (m)	Extended (m)
SM08DE	14	2.36 x 2.36	4.14
SM10DE	18	2.96 x 2.96	5.34
SM12DE	22	3.56 x 3.56	6.54
SM15DE	28	4.46 x 4.46	8.34
SM16DE	30	5.06 x 5.06	8.42
SM18DE	34	5.66 x 5.66	9.62
SM20DE	38	6.26 x 6.26	10.82

Design for: Architectural renovation works and industrial application where access to higher height is in demand.

226)

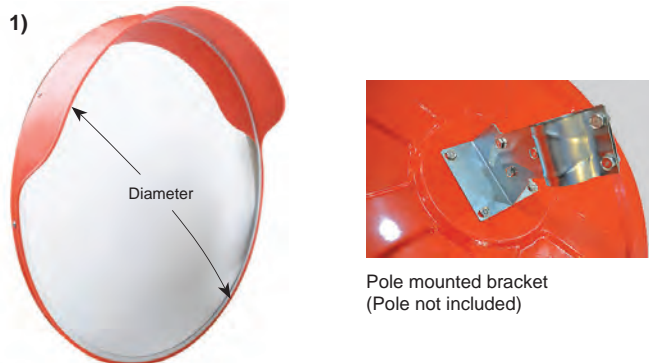


Aluminium Triple Extension Ladder

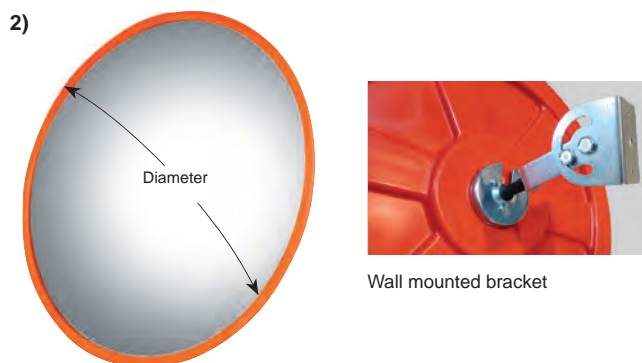
Product Code	Rung (ft)	Length (m)	Extended (m)
SM08TE	21	2.36 x 2.36 x 2.36	5.92
SM10TE	27	2.96 x 2.96 x 2.96	7.72
SM12TE	33	3.56 x 3.56 x 3.56	9.52
SM15TE	42	4.46 x 4.46 x 4.46	12.22
SM16TE	45	5.06 x 5.06 x 5.06	12.34
SM18TE	51	5.66 x 5.66 x 5.66	14.14
SM20TE	57	6.26 x 6.26 x 6.26	15.94

Design for: Architectural renovation works and industrial application. From general household application to factory access equipment.

Outdoor Polycarbonate Convex Mirror



Indoor Polycarbonate Convex Mirror



Product code	Diameter (cm)	Pole bracket (cm)
PCOM 60	Ø60	Ø5
PCOM 80	Ø80	Ø7.5
PCOM 100	Ø100	Ø7.5

Product code	Diameter (cm)	Pole bracket (cm)
PCIM 45	Ø45	Ø5
PCIM 60	Ø60	Ø7.5

Polycarbonate Convex Mirror is made of polycarbonate which is soft, lightweight but with strong impact resistant and shatter-proof. Compared with acrylic, polycarbonate lens have excellent reflection properties, ultraviolet-proof and anti-scratch. The impact resistance is about 30 times stronger than the same thickness of acrylic.

Reliable: Vandal resistant. To improve visibility for blind spots indoors or outdoors, such as driveways, street corners, road crossings, garage exits, parking lots, garage, warehouse, shops, retails, supermarket, etc.



Springs back automatically, after press.



Protective film - To avoid scratch, remove it after installation.



Indoor Dome Mirror



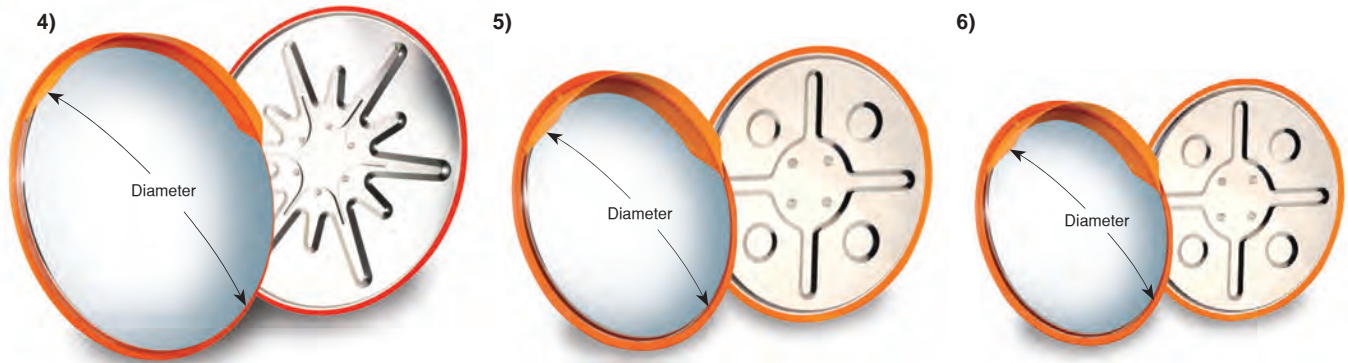
Product code	IDM 600
Diameter (mm)	Ø600
Material made	Polycarbonate
Mounted on	Ceiling





Outdoor Stainless Steel Convex Mirror

- Round Mirror



Product code	SSCM 1000
Diameter (mm)	Ø1000
Carton size (mm)	1105 x 1085 x 128
Qty carton (pc)	1
G.W. (kg)	19.58
Mounted on	Pole
Pole diameter (mm)	Ø75

Product code	SSCM 800
Diameter (mm)	Ø800
Carton size (mm)	905 x 895 x 128
Qty carton (pc)	1
G.W. (kg)	14.05
Mounted on	Pole
Pole diameter (mm)	Ø75

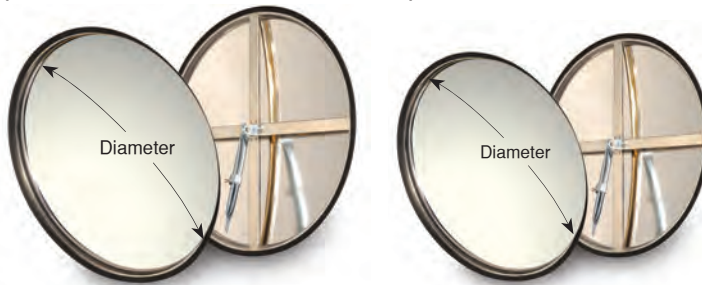
Product code	SSCM 600
Diameter (mm)	Ø600
Carton size (mm)	680 x 680 x 175
Qty carton (pc)	1
G.W. (kg)	7.95
Mounted on	Pole
Pole diameter (mm)	Ø75

Indoor Stainless Steel Convex Mirror

- Round Mirror

7) SUS 600

8) SUS 490



Product code	SUS 600	SUS 490
Diameter (mm)	Ø600	Ø490
Carton size (mm)	675 x 675 x 117	525 x 525 x 110
Qty carton (pc)	1	1
G.W. (kg)	3.85	2.45
Mounted on	Wall	Wall



Wall mounted



SUS 490, SUS 600
bracket

Why Stainless Steel

Material	Weather Resistant	Impact Resistant	Reflectiveness	Lifespan (Yrs)
Stainless Steel	✓✓✓✓✓	✓✓✓✓✓	✓✓✓✓✓	10
Acrylic	✓✓✓	✓✓	✓✓	< 1
Polycarbonate	✓✓	✓✓✓✓	✓✓✓	< 2
Glass	✓✓	✓	✓✓	< 3

Remarks: ✓✓✓✓✓ Best ✓✓✓✓ Good ✓✓✓ Normal ✓✓ Poor ✓ Very Poor

Source: PIARC committee on road safety. Japan's traffic mirror guide.

Advantages of Stainless Steel

- ✓ Extreme weather conditions
- ✓ Virtually tough
- ✓ Unbreakable
- ✓ Durable. Thus, reduce cost in long term
- ✓ Minimum maintenance

Accessories

9)



L-Pole

Product code	LP 0612
Diameter (mm)	Ø75
Height (mm)	320
Wall Plate (mm)	150 x 150
Colour	Light Grey

10)



Ceiling Pole

Product code	CP 0328
Diameter (mm)	Ø75
Height (mm)	700
Ceiling Plate (mm)	152 x 152
Colour	Light Grey

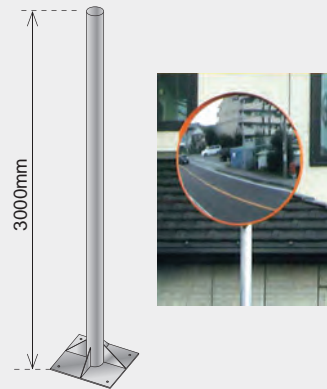
11)



Mild Steel Pole

Product code	POLE 75x3M
Diameter (mm)	Ø75
Height (mm)	3000
Base Plate (mm)	305 x 460
Colour	Orange

12)



Galvanized Pole

Product code	HDG POLE 75x3M
Diameter (mm)	Ø75
Height (mm)	3000
Base Plate (mm)	305 x 460

Remarks: SSCM 1000, SSCM 800, RTCM 6080, RTCM 4560 use only.

Wall & pole bracket Ø50mm

SSCM 490
RTCM 2030
bracket



Pole bracket Ø75mm

SSCM 600
bracket



SSCM 800
RTCM 4560
RTCM 6080
bracket



SSCM 1000
bracket





OFFICE SYSTEMS

Page 170 - 182

IDEAL FOR SPACE



FULL HEIGHT CUPBOARD



FC 302

Description :
Full Height Cupboard With Steel Swinging Door C/W 3 Adjustable Shelves

Dimension :
915W x 457D x 1828H (mm)



FC 302L

Description :
Full Height Cupboard With Steel Swinging Door & Locking Bar C/W 3 Adjustable Shelves

Dimension :
915W x 457D x 1828H (mm)



FC 303

Description :
Full Height Cupboard With Steel Sliding Door C/W 3 Adjustable Shelves

Dimension :
915W x 457D x 1828H (mm)



FC 304

Description :
Full Height Cupboard With Glass Sliding Door C/W 3 Adjustable Shelves

Dimension :
915W x 457D x 1828H (mm)



FC 305

Description :
Full Height Cupboard With Glass Swinging Door C/W 3 Adjustable Shelves

Dimension :
915W x 457D x 1828H (mm)

COLOUR OPTION :



LIGHT GREY



BEIGE



2 TONE
(BEIGE + BROWN)

HALF HEIGHT CUPBOARD



HC 202

Description :
Half Height Cupboard With Steel Swinging Door C/W 1 Adjustable Shelves

Dimension :
915W x 457D x 915H (mm)



HC 202L

Description :
Half Height Cupboard With Steel Swinging Door C/W 1 Adjustable Shelves + Locking Bar

Dimension :
915W x 457D x 915H (mm)



HC 203

Description :
Half Height Cupboard With Steel Sliding Door C/W 1 Adjustable Shelves

Dimension :
915W x 457D x 915H (mm)



HC 204

Description :
Half Height Cupboard With Glass Sliding Door C/W 1 Adjustable Shelves

Dimension :
915W x 457D x 915H (mm)

COLOUR OPTION :



LIGHT GREY



BEIGE



2 TONE
(BEIGE + BROWN)

FILING CABINET



FC 2B

Description :
2 Drawer Filing Cabinet with Recess Handle C/W Ball Bearing Slide

Dimension :
465W x 625D x 720H (mm)



FC 3B

Description :
3 Drawer Filing Cabinet with Recess Handle C/W Ball Bearing Slide

Dimension :
465W x 625D x 1020H (mm)



FC 4B

Description :
4 Drawer Filing Cabinet with Recess Handle C/W Ball Bearing Slide

Dimension :
465W x 625D x 1320H (mm)



FC 4BL

Description :
4 Drawer Filing Cabinet with Recess Handle C/W Ball Bearing Slide & Locking Bar

Dimension :
465W x 625D x 1320H (mm)



Ball Bearing Slide

FC 5B

Description :
5 Drawer Filing Cabinet with Recess Handle C/W Ball Bearing Slide

Dimension :
465W x 625D x 1620H (mm)



FC 5BL

Description :
5 Drawer Filing Cabinet with Recess Handle C/W Ball Bearing Slide & Locking Bar

Dimension :
465W x 625D x 1620H (mm)

COLOUR OPTION :



LIGHT GREY



BEIGE



2 TONE
(BEIGE + BROWN)

MOBILE COMPACTOR



Per Bay Measurement (Standard):

915W x 420D x 2115H (mm)

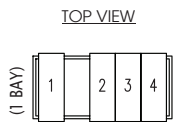
No. of shelf per bay: With built-in lateral file holder, 4 pieces of lateral shelf and 1 piece base shelf to provides 5 tier filing storage.
(Max loading capacity : 50kg per shelf)

Material Used:

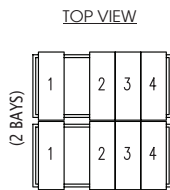
- Cold rolled steel plate for the whole bay's body and shelves (0.8mm).
- Square hollow section and steel flat bar for the track & rail.
- Cold rolled steel bearing and bearing base.

Finish: Powder Coating

Locking Device: A central locking provided on the back of last single mobile bay for simple locking purposes.



MC4x1



MC4x2



Handle



Lateral Shelf
(Can hang filing pocket)



Central Locking Lock

MC 4x1	MC 5x1	MC 6x1	MC 7x1	MC 8x1	MC 10x1	MC 12x1
Description : 4 x 1 Bays Depth Mobile Compactor	Description : 5 x 1 Bays Depth Mobile Compactor	Description : 6 x 1 Bays Depth Mobile Compactor	Description : 7 x 1 Bays Depth Mobile Compactor	Description : 8 x 1 Bays Depth Mobile Compactor	Description : 10 x 1 Bays Depth Mobile Compactor	Description : 12 x 1 Bays Depth Mobile Compactor
Dimension (mm) : 2440W 915D 2115H	Dimension (mm) : 2860W 915D 2115H	Dimension (mm) : 3280W 915D 2115H	Dimension (mm) : 3700W 915D 2115H	Dimension (mm) : 4120W 915D 2115H	Dimension (mm): 4960W 915D 2115H	Dimension (mm): 5800W 915D 2115H
MC 4x2	MC 5x2	MC 6x2	MC 7x2	MC 8x2	MC 10x2	MC 12x2
Description : 4 x 2 Bays Depth Mobile Compactor	Description : 5 x 2 Bays Depth Mobile Compactor	Description : 6 x 2 Bays Depth Mobile Compactor	Description : 7 x 2 Bays Depth Mobile Compactor	Description : 8 x 2 Bays Depth Mobile Compactor	Description : 10 x 2 Bays Depth Mobile Compactor	Description : 12 x 2 Bays Depth Mobile Compactor
Dimension (mm) : 2440W 1830D 2115H	Dimension (mm) : 2860W 1830D 2115H	Dimension (mm) : 3280W 1830D 2115H	Dimension (mm) : 3700W 1830D 2115H	Dimension (mm) : 4120W 1830D 2115H	Dimension (mm): 4960W 1830D 2115H	Dimension (mm): 5800W 1830D 2115H

COLOUR OPTION :



LIGHT GREY



BEIGE

MULTIPLE STEEL LOCKER



3 Compartments

Description :

3 Compartments Steel Locker with 1 Cloth Hanging Bar & 1 Fixed Shelf at bottom at each compartment

4 Optional Dimension :

- SL3 3615 : 915W x 381D x 1828H (mm)
- SL3 3618 : 915W x 457D x 1828H (mm)
- SL3 4515 : 1143W x 381D x 1828H (mm)
- SL3 4518 : 1143W x 457D x 1828H (mm)



6 Compartments

Description :

6 Compartments Steel Locker with 1 Cloth Hanging Bar & 1 Fixed Shelf at bottom at each compartment

4 Optional Dimension :

- SL6 3615 : 915W x 381D x 1828H (mm)
- SL6 3618 : 915W x 457D x 1828H (mm)
- SL6 4515 : 1143W x 381D x 1828H (mm)
- SL6 4518 : 1143W x 457D x 1828H (mm)



9 Compartments

Description :

9 Compartments Steel Locker

4 Optional Dimension :

- SL9 3615 : 915W x 381D x 1828H (mm)
- SL9 3618 : 915W x 457D x 1828H (mm)
- SL9 4515 : 1143W x 381D x 1828H (mm)
- SL9 4518 : 1143W x 457D x 1828H (mm)



12 Compartments

Description :

12 Compartments Steel Locker

4 Optional Dimension :

- SL12 3615 : 915W x 381D x 1828H (mm)
- SL12 3618 : 915W x 457D x 1828H (mm)
- SL12 4515 : 1143W x 381D x 1828H (mm)
- SL12 4518 : 1143W x 457D x 1828H (mm)



15 Compartments

Description :

15 Compartments Steel Locker

4 Optional Dimension :

- SL15 3615 : 915W x 381D x 1828H (mm)
- SL15 3618 : 915W x 457D x 1828H (mm)
- SL15 4515 : 1143W x 381D x 1828H (mm)
- SL15 4518 : 1143W x 457D x 1828H (mm)



18 Compartments

Description :

18 Compartments Steel Locker

4 Optional Dimension :

- SL18 3615 : 915W x 381D x 1828H (mm)
- SL18 3618 : 915W x 457D x 1828H (mm)
- SL18 4515 : 1143W x 381D x 1828H (mm)
- SL18 4518 : 1143W x 457D x 1828H (mm)

COLOUR OPTION :



LIGHT GREY



BEIGE



2 TONE
(BEIGE + BROWN)

STEEL LOCKER



SL1 1515

Description :

1 Compartments Steel Locker with 1 Cloth Hanging Bar & 1 Fixed Shelve at bottom.

2 Optional Dimension :

SL1 1515 : 381W x 381D x 1828H (mm)
SL1 1518 : 381W x 457D x 1828H (mm)



SL2 1515

Description :

2 Compartments Steel Locker with 1 Cloth Hanging Bar & 1 Fixed Shelve at bottom at each Compartment.

2 Optional Dimension :

SL2 1515 : 381W x 381D x 1828H (mm)
SL2 1518 : 381W x 457D x 1828H (mm)



SL3 1515

Description :

3 Compartments Steel Locker

2 Optional Dimension :

SL3 1515 : 381W x 381D x 1828H (mm)
SL3 1518 : 381W x 457D x 1828H (mm)



SL4 1515

Description :

4 Compartments Steel Locker

2 Optional Dimension :

SL4 1515 : 381W x 381D x 1828H (mm)
SL4 1518 : 381W x 457D x 1828H (mm)



SL5 1515

Description :

5 Compartments Steel Locker

2 Optional Dimension :

SL5 1515 : 381W x 381D x 1828H (mm)
SL5 1518 : 381W x 457D x 1828H (mm)



SL6 1515

Description :

6 Compartments Steel Locker

2 Optional Dimension :

SL6 1515 : 381W x 381D x 1828H (mm)
SL6 1518 : 381W x 457D x 1828H (mm)

COLOUR OPTION :



LIGHT GREY



BEIGE



2 TONE
(BEIGE + BROWN)

HALF HEIGHT MULTIPLE LOCKER



Half Height 6 Compartment

Description :
Half Height 6 Compartment Steel Locker

4 Optional Dimension :
HL6 3615 : 915W x 381D x 915H (mm)
HL6 3618 : 915W x 457D x 915H (mm)
HL6 4515 : 1143W x 381D x 915H (mm)
HL6 4518 : 1143W x 457D x 915H (mm)



Half Height 9 Compartment

Description :
Half Height 9 Compartment Steel Locker

4 Optional Dimension :
HL9 3615 : 915W x 381D x 915H (mm)
HL9 3618 : 915W x 457D x 915H (mm)
HL9 4515 : 1143W x 381D x 915H (mm)
HL9 4518 : 1143W x 457D x 915H (mm)

CUSTOM MADE ITEM



SCM 0003

Description :
36 Compartment Steel Locker with Steel Swinging Door c/w Camlock

Dimension :
915W x 381D x 1828H (mm)



SCM 0004

Description :
Full Height 30 Pigeon Hole

Dimension :
915W x 457D x 1828H (mm)

COLOUR OPTION :



LIGHT GREY



BEIGE



2 TONE
(BEIGE + BROWN)

PIGEON HOLE



PH6ST

Description :
6 Pigeon Hole Side Table

Dimension :
915W x 381D x 930H (mm)

PH9ST

Description :
9 Pigeon Hole Side Table

Dimension :
915W x 381D x 890H (mm)

12 Pigeon Hole

Description :
Full Height 12 Pigeon Hole

4 Optional Dimension :
PH12 3615 :
915W x 381D x 1828H (mm)
PH12 3618 :
915W x 457D x 1828H (mm)
PH12 4515 :
1143W x 381D x 1828H (mm)
PH12 4518 :
1143W x 457D x 1828H (mm)

15 Pigeon Hole

Description :
Full Height 15 Pigeon Hole

4 Optional Dimension :
PH15 3615 :
915W x 381D x 1828H (mm)
PH15 3618 :
915W x 457D x 1828H (mm)
PH15 4515 :
1143W x 381D x 1828H (mm)
PH15 4518 :
1143W x 457D x 1828H (mm)

18 Pigeon Hole

Description :
Full Height 18 Pigeon Hole

4 Optional Dimension :
PH18 3615 :
915W x 381D x 1828H (mm)
PH18 3618 :
915W x 457D x 1828H (mm)
PH18 4515 :
1143W x 381D x 1828H (mm)
PH18 4518 :
1143W x 457D x 1828H (mm)

WARDROBE



FC 306

Description :
Full Height Wardrobe With Steel Swinging Door C/W 1 Cloth Hanging Bar, 3 Fixed Shelve, 1 Drawer with Camlock & 1 Mirror

Dimension :
915W x 525D x 1828H (mm)

FC 307

Description :
Full Height Wardrobe With Steel Swinging Door C/W 1 Adjustable Shelve at Top & Cloth Hanging Bar at Bottom

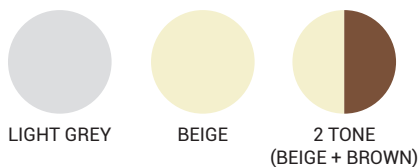
Dimension :
915W x 457D x 1828H (mm)

FC 308

Description :
Full Height Wardrobe With Steel Swinging Door C/W 1 Cloth Hanging Bar at Top & 1 Adjustable Shelve at Bottom

Dimension :
915W x 457D x 1828H (mm)

COLOUR OPTION :



MOBILE PEDESTAL



PD 109

Description :
Steel Mobile Pedestal with
Ball Bearing Slide
- 2 Drawer + 1 File

Dimension :
400W x 490D x 680H (mm)



PD 110

Description :
Steel Mobile Pedestal with
Ball Bearing Slide
- 3 Drawer

Dimension :
400W x 490D x 550H (mm)

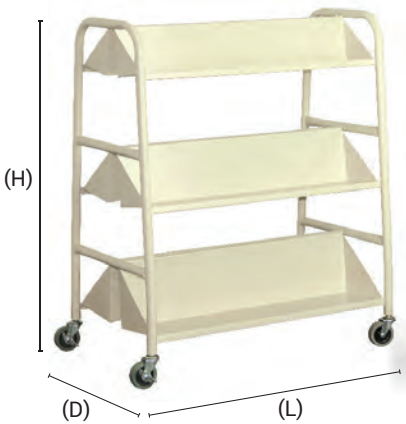


PD 111

Description :
Steel Mobile Pedestal with
Ball Bearing Slide
- 1 Drawer + 1 File

Dimension :
400W x 490D x 530H (mm)

BOOK TROLLEY



BT 264

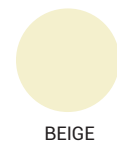
Description :
Double Sided Book Trolley

Dimension :
790W x 510D x 1050H (mm)

Utilize our book trolley for
easy access and storage.
Useful for schools, libraries
& laboratories to store books
and other publications tidily.

- Double / single sided 3
angles tiers shelves
- Full steel construction

COLOUR OPTION :



BEIGE

KICK STEP STOOL



KSS 02

Description :
Kick Step Stool

Dimension :
Weight : 4.5kg
Height : 435mm
Top : Ø290mm
Base : Ø435mm

Our smart stools have concealed castors
that are designed to lock in place. The
base is surrounded by a rubber rim,
which provides additional grip.

COLOUR OPTION :



GREY

LIBRARY SHELVING



S315W

Description :
Library Shelving Single
Sided without Side Panel
- 5 Level

Dimension :
950W x 313D x 1690H (mm)



S316W

Description :
Library Shelving Single
Sided without Side Panel
- 6 Level

Dimension :
950W x 313D x 1995H (mm)



S317W

Description :
Library Shelving Single
Sided without Side Panel
- 7 Level

Dimension :
950W x 313D x 2300H (mm)



S315

Description :
Library Shelving Single
Sided with Side Panel
- 5 Level

Dimension :
950W x 313D x 1690H (mm)



S316

Description :
Library Shelving Single
Sided with Side Panel
- 6 Level

Dimension :
950W x 313D x 1995H (mm)



S317

Description :
Library Shelving Single
Sided with Side Panel
- 7 Level

Dimension :
950W x 313D x 2300H (mm)

COLOUR OPTION :



LIGHT GREY



BEIGE

LIBRARY SHELVING



S325W

Description :
Library Shelving Double Sided without Side Panel - 5 Level

Dimension :
950W x 550D x 1690H (mm)



S326W

Description :
Library Shelving Double Sided without Side Panel - 6 Level

Dimension :
950W x 550D x 1995H (mm)



S327W

Description :
Library Shelving Double Sided without Side Panel - 7 Level

Dimension :
950W x 550D x 2300H (mm)



S325

Description :
Library Shelving Double Sided with Side Panel - 5 Level

Dimension :
950W x 550D x 1690H (mm)



S326

Description :
Library Shelving Double Sided with Side Panel - 6 Level

Dimension :
950W x 550D x 1995H (mm)



S327

Description :
Library Shelving Double Sided with Side Panel - 7 Level

Dimension :
950W x 550D x 2300H (mm)

COLOUR OPTION :



LIGHT GREY



BEIGE

PEDESTAL DESK



PD 101

Description :
5' L-Shape Pedestal Desk
(Black Linoleum Top)

Dimension :
1524W x 762D x 762H (mm)



PD 103

Description :
4' Single Pedestal Desk
(Black Linoleum Top)

Dimension :
1220W x 762D x 762H (mm)



PD 112

Description :
4' Single Pedestal Desk with Block Leg
(Black Linoleum Top)

Dimension :
1220W x 762D x 762H (mm)



Description :
5' L-Shape Pedestal Desk
(Melamine Chipboard Top)

Dimension :
1524W x 762D x 762H (mm)

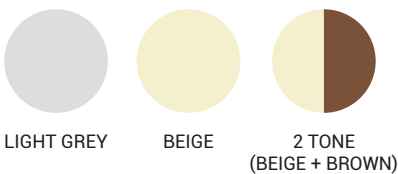


PD 104

Description :
4' Single Pedestal Desk
(Melamine Chipboard Top)

Dimension :
1220W x 762D x 762H (mm)

COLOUR OPTION :



MELAMINE CHIPBOARD TOP OPTION :



PEDESTAL DESK



PD 105

Description :
5' Double Pedestal Desk
(Black Linoleum Top)

Dimension :
1524W x 762D x 762H (mm)

PD 106

Description :
5' Double Pedestal Desk
(Melamine Chipboard Top)

Dimension :
1524W x 762D x 762H (mm)



PD 107

Description :
4' General Purpose Table
with Centre Drawer
(Black Linoleum Top)

Dimension :
1220W x 762D x 762H (mm)

PD 108

Description :
5' General Purpose Table
with Centre Drawer
(Black Linoleum Top)

Dimension :
1524W x 762D x 762H (mm)



PD 113

Description :
4' Utility Table
(Black Linoleum Top)

Dimension :
1220W x 762D x 762H (mm)

PD 114

Description :
5' Utility Table
(Black Linoleum Top)

Dimension :
1524W x 762D x 762H (mm)

COLOUR OPTION :



LIGHT GREY



BEIGE



2 TONE
(BEIGE + BROWN)

MELAMINE CHIPBOARD TOP OPTION :



BEECH



CHERRY



MAPLE



LIGHT GREY



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